The OIL WEEKLY

A Journal for Oil Producers and Field Men

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The OIL WEEKLY'S

Sixth Annual Statistical Edition

Will Be Out January 20, 1923

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HOME OFFICE: Sixth Floor Goggan Bldg., Houston, Texas
R. L. DUDLEY.....Manager and Editor
W. E. GREEN.....Associate Editor
H. W. DRAPER.....Superintendent Plant
NORTH TEXAS OFFICE: 201 City National Bank Building, Wichita Falls, Texas.....H. H. KING, Manager
MID-CONTINENT OFFICE: 225 Atco Building., Pho. Osage 1844, Tulsa, Okla.....J. F. CARTER, JR., Manager
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U. S. PRODUCTION OFF
There was a slight decline in the daily average production of crude oil in the United States. Page 18.

ALL RESTRICTIONS OFF
Operators are busy completing wells in the Osage and Burbank should jump up, with all restrictions off. Page 7.

NORTH TEXAS CAN COMPETE
The Katy announces lower rates effective in December which will permit Wichita Falls refiners to compete with Group 3 plants. Page 19.

OCTOBER RECORD MONTH
The total production in the United States of crude oil in October set new record. See details starting on page 16.

ANOTHER TEAPOT DOME WELL
Another well has been completed on Teapot Dome. Mountain States fields are coming to front. Page 21.

LARGER THE TANK, SMALLER THE COST
The larger the steel tank, smaller is the cost per barrel for storage. Page 33.

ANALYSIS OF CRUDES
An anaylsis of Kosse, Currie and Richland crudes will be found on page 30.

KANSAS HAS 1800-BARREL WELL
The Gypsy completed a well good for 1800 barrels in Butler County, Kansas. Page 23.

TWELVE NEW PRODUCERS
Somerset field near San Antonio increases production. Page 39.

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Well 25 miles from Mirando will make producer. Page 40.

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KEY TO ABBREVIATIONS
Following is the explanation of abbreviations and signs used in drilling reports, completions, etc.: *—dry, abandoned well; ‡—salt water; †—junked and abandoned; ¶—million cubic feet of gas; abn—abandoned; bbls—barrels; b. s.—basic sediment; cas—casing; co—cleaning out; dk—derrick; dr—drilling; fsh—fishing; ft—feet; in—inches; lcn—location; m—milling; N. S. E. W.—North, South, East, West; r—reaming; sd—shut down; sdtr—sidetracking; sp—spudded; sr—side reaming; std—standardizing; sw—salt water; td—total depth; ur—under reaming; wo—workover; wosr—waiting on standard rig.

TWO WELLS IN HUGHES COUNTY
It looks like the Oklahoma pools are increasing in number. Hughes County has two good wells. Page 22.

SCENE SHIFTS IN NORTH TEXAS
Attention is now directed to Archer and Young Counties in North Texas. Page 28.

GOOD RAINS WELCOMED
North Texas operators welcomed the recent rains. Better wells are also reported. Page 27.

95 BARRELS AN HOUR
The Humble has a well in Stephens County making 95 barrels an hour initial. Page 25.

DIVIDENDS STILL IN ORDER
More of the larger companies are declaring large stock dividends. Page 11.

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Northern part of Peru and its oil possibilities are discussed by expert. Page 10.

GASOLINE PRICE TOO LOW
So says Arthur Knapp and he tells why he reaches this conclusion. Page 9.

TWO BIG ONES AT SMACKOVER
The Smackover field in Arkansas is extended and things are popping. Page 46.

PRICE ADJUSTMENT IN CALIF.
Gasoline has been cut on West Coast and may affect crude. Page 56.

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Which way will it jump in Louisiana? Page 42.

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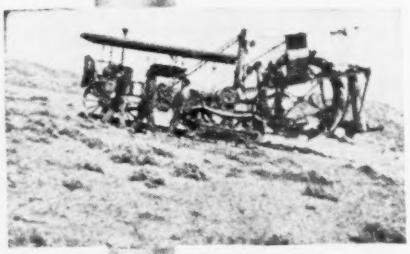
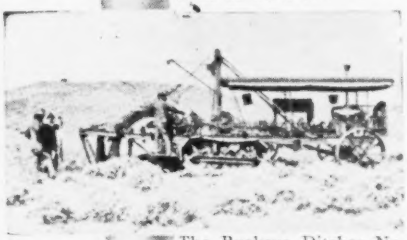
More than 200 wells or locations in Mexican fields. Rainy season nearing end. Page 59.

325 Feet an Hour



In traveling over the roads and sagebrush, the Buckeyes frequently covered 25 miles in 24 hours.



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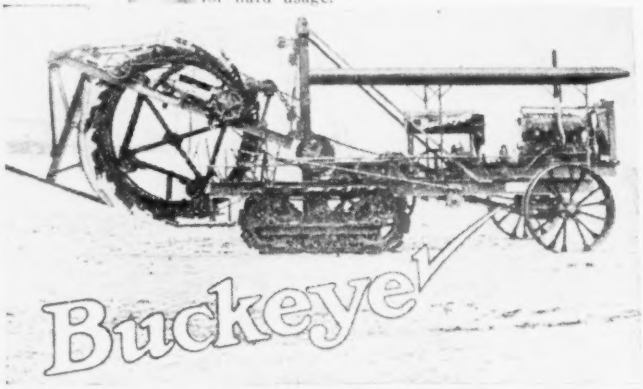

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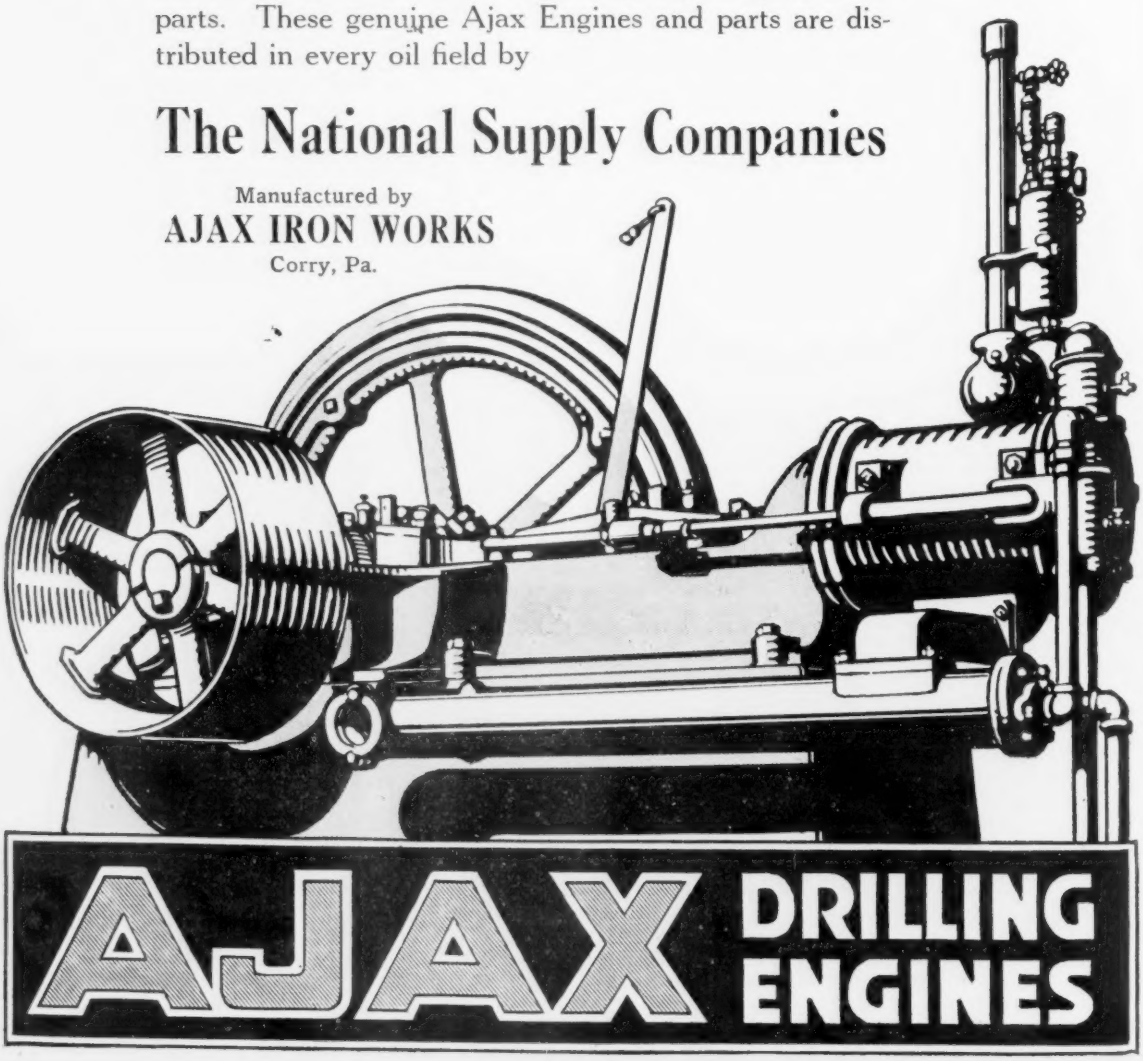

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VOL. XXVII—NO. 6

Just Watch the Smoke at Burbank

All restraining orders are void and there is a race to complete big ones

By Grady Triplett

TULSA, OKLA., Oct. 31.—Osage drilling restrictions have been lifted.

By order issued Oct. 30 by A. B. Fall, Secretary of the Interior, development in the most prolific of Oklahoma's oil fields went back into the control of the producers, holding the leases.

This action by the Secretary of the Interior followed a resolution addressed to him Oct. 21 by the Central Committee on Shutdown and Storage. Since Oct. 5, only necessary offsets could be completed in the Osage by the terms of an order from the Interior Department, which had acted on a previous plea from the Central Committee on Shutdown and Storage.

In listing drilling restrictions, the secretary placed Osage Indian lands on a footing with other Indian lands in Oklahoma; lease holders are at liberty to defer drilling whenever they desire, with the approval of superintendents of the Indian agencies. The superintendents are under instructions to see that delays do not injure underground formations by water encroachment and other troubles.

This last order from the Department of the Interior brings to an end the wrangle that has existed since October 5, with holders of the expensive Burbank leases on one side and members of the Central Committee on the other. The committee, of which M. M. Doan is chairman, finally agreed to ask for the removal of restrictions, basing its plea on the fact that Osage lease holders were halted in development, while in all other parts of the state there were no restrictions.

As the restrictive order had but negligible effect outside of the Burbank pool, the big question now points to what effect the lifting of the order will have on a field, which last week produced 75,700 barrels daily from 676 wells. Two weeks previous, the daily output of the field was 83,500 barrels. The previous week it was 80,200 barrels daily.

While the departmental order forbids completions at Burbank, except necessary offsets, it did not prevent drilling on wells already begun, with the result that the lifting of the order found 26 wells on top of the sand and ready for completion.

> Washington, D. C., Oct. 30.—The following is the Interior Department's order permitting resumption of drilling in the Osage Nation, Oklahoma:
>
> "J. Geo. Wright, Supt.,
> Osage Indian Agency,
> Pawhuska, Oklahoma.
>
> "Order of Commissioner Burke dated October 3 and approved by Secretary Fall October 5 directing that no further drilling operations will be permitted on Osage Reservation with exceptions mentioned in your letter is hereby revoked. You are authorized, however, to co-operate with the Shut-down Committee and oil operators to curtail production and waive drilling requirements where results would not be disastrous because of water incursion or imminent danger of drainage.
>
> Finney, Assistant Secretary."

Also, the order forbid the starting of new wells but it did not forbid the building of rigs, with the result that 24 new rigs are standing ready for spudding new holes, with the lifting of restrictions.

When the restrictive order was lifted, there were 78 wells drilling in the Burbank pool, some 20 of them being near the sand. These 20 with 26 on the sand are possible completions within the next two weeks. As many of them are on the north side of the field where the big wells were found just before completions were halted, it seems likely that production at Burbank will again take the upturn, with possibilities of reaching or surpassing its record figure of two weeks back, 83,500 barrels daily.

Most of the 24 rigs ready for starting new wells are on the acreage bought at the June auction. If drilling is rushed as it was before the shut down came, the next seven weeks will see these wells completed, either for producers or failures and failures are yet few at Burbank.

By that time another sale of Osage leases should have become history. As yet there has been no announcement of the date for the next sale but the oil fraternity is expecting it the first week in December. Some of the quarter sections to be offered will no doubt adjoin those sold in June and on which the Gypsy Oil Company and the Phillips and Skelly partnership have been completing big wells for three weeks.

The next Osage auction should see higher record set in the amounts paid for Burbank leases. The record is now held by the Gypsy Oil Company, which paid $1,600,000 for the southeast quarter of section 24-27-5. Million dollar bids were frequent when the buyers began to respond to the urging of Colonel E. Walters, the Skedee wizard, in June. Since the tracts bought at such high prices have turned out so well, others offered adjoining them at the next sale should make the million dollar talk more general and send the record even beyond the $1,600,000 mark.

Stored oil at Burbank now amounts to 1,802,850 barrels, with space provided for 273,648 barrels and tank builders working night and day striving to keep ahead of production. The Phillips and Skelly partnership is now running 11,000 barrels of Burbank crude oil to storage daily. The Sinclair companies are puting 6000 barrels in storage daily.

At present Phillips and Skelly have 960,000 barrels in storage there, with 34,000 barrels empty. Sinclair storage amounts to 330,700 barrels and 43,000 empty. The Gypsy has 250,000 barrels stored and 130,000 barrels of empty tankage. The Cosden Company has oil stored of 260,000 barrels and 65,000 barrels to be filled.

Tulsa, Okla., Nov. 1.—The Texas and Pacific Coal and Oil Company has a well good for 2500 barrels, initial production, in the Robberson pool of South Oklahoma in the northwest corner of the southwest quarter of section 13-north 3-west at 1635 feet. It is the best well ever completed in the pool.

The OIL WEEKLY wants only such subscribers as are engaged in the oil producing or pipe line business, or subbranches of the producing and pipe line business. It has no desire for investor circulaton, and it reserves the right and will exercise the right to reject subscriptions coming from persons whose only interest in the oil industry is through the purchase of oil stock.

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Engineer Says Gasoline Price Too Low

Arthur Knapp analyzes question and sees both buyers' and sellers' sides

By Arthur Knapp *

The statement that the price of any commodity is high or low implies that a comparison has been made with some other price or value. Before this statement regarding price can be understood by others it is necessary to know what the standard of comparison is.

There are two sides to the question of price, the buyer's side and the seller's side. Both sides must be considered in the final analysis of price. Some standards of comparison effect only the buyer's view, while some effect only the seller's view. There are other standards which effect both.

The buyer may judge prices on the basis of:

(A) Price ask vs. economic value to be received.

This effects the buyer's view but does not effect the seller. On the other hand there are standards which effect only the seller, viz.:

(B) Price ask vs. price of raw material.

(C) Price ask vs. manufacturing and labor costs.

Both buyer and seller may consider the following in analyzing costs:

(D) Price ask vs. previous price of same article or price ask by others for the same article.

(E) Price ask vs. average price of a number of other commodities.

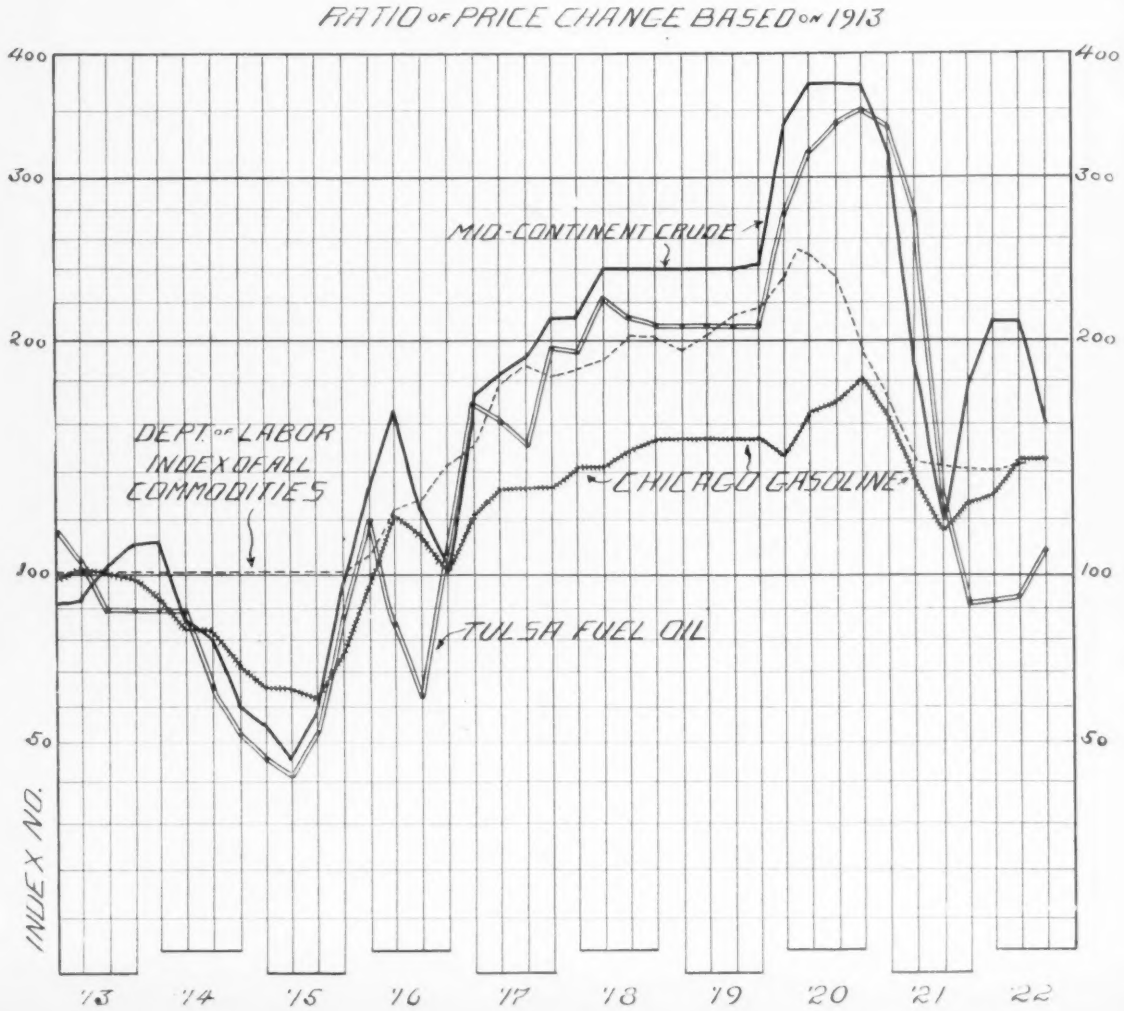
One or all of the above comparisons may be used depending upon circumstances. All of them must be considered in a final analysis.

First consider the price of gasoline vs. the economic value. In general the gasoline sold throughout the country is very uniform in grade. The reports of the Bureau of Mines shows it to be much more uniform than in years past. The efficiency with which gasoline is used in modern motor vehicles is increasing regularly. The economic value of gasoline as an aid to the general growth of industry is also increasing from year to year.

The price of gasoline has increased 50 per cent since 1913. The economic value, even if only the three points mentioned above are considered, has certainly increased 50 per cent.

Second, consider the price from the re-

*Petroleum Engineer, Box 1902, Philadelphia.



Geology of Oil Fields in Northwest Portion of Peru

In view of the increasingly important part which the oilfields of Peru are playing in regard to the production of oil, the new work of T. O. Bosworth, D.Sc., on the Geology of the Tertiary and Quaternary periods in the northwest part of Peru comes as an interesting addition to Petroleum technology at a very opportune moment, says an article in Petroleum Times, lately.

During the past decade the author of the volume has made elaborate geological surveys in Peru, and the conclusions thereon, which now form an important part of the work before us, were originally written as separate papers for the Geological Society before whose members they were read at the end of 1920. These papers, together with maps and illustrations, are now published without any curtailment, while, in order, as the author points out, to make the volume serve an economic as well as a scientific purpose, a portion of the volume contains an account of the occurrence of petroleum, to such extent as is permissible bearing in mind the interests of the operating companies.

The volume reflects great credit upon its author, and its numerous maps and illustrations assist to make it a particularly fascinating work. Messrs. Macmillan are the publishers, and they too have done their work on their usual high-class style. It is published at 45s., at which price it may be purchased either from the publishers or from the offices of the Petroleum Times.

The work is composed of five parts, dealing with the geology, the paleontology, and the oil industry in the northwestern portion of Peru, and four of these, Nos. 1, 3, 4 and 5, are by Mr. Bosworth, the second part, that dealing with the Tertiary paleontology, being by Mr. Henry Woods, Dr. T. Wayland Vaughan, Dr. J. A. Cushman and Professor H. L. Hawkins.

The technical minds will be particularly interestd in the chapters devoted to the geology of the littoral of northern Peru, but the commercial men will find the concluding portion of the work of more direct interest, wherein the author briefly reviews the geology of the region and then proceeds to deal with the petroleum industry of the country.

The littoral of this part of Peru is a desert region comprising salt-marshes, plateaus, and rugged hills generally less than 1,000 feet in height. The petroleum occurs in a strip of country generally less than 20 miles wide, bordering the Pacific Ocean. There are no anticlines in the littoral. The structure in this region is very different from the structures common in most other fields. Here the earth's crust has been broken up into innumerable independent blocks—somewhat like a shattered thick sheet of ice. The main blocks are separated from one another by large faults, which have displacements often amounting to several thousand feet. Apparently the faulting was wholly post-Tertiary, and the main fault-blocks originally all contained the whole series of Tertiary strata, 15,000 to 20,000 feet thick. But the subsequent and contemporaneous erosion has denuded them variously, so that some now only contain the lower members of the Tertiary formation, whilst in others much higher beds are still retained.

The Zorritos formation is of Miocene age, as indicated by its fossils. There is probably an unconformity between these beds and the Lobitos formation beneath, but no contact or junction has been seen. The Lobitos formation is of Eocene age and its fossils are wholly different from those of the Zorritos formation. The Lobitos oilfield stands on rocks belonging to the northern facies of the formation, whilst part of the Negritos oilfields, particularly the plot which used to be known as the Lagunitas oilfields, stands on beds belonging to the southern facies.

The Negitos formation is of Lower Eocene age, and there is a conformable junction between this and the Lobitos formation above. The Cabo Blanco (Restin) oilfield and a large part of the oilfield of Negritos, and also the oilfield of La Brea, stand on beds of the Negritos formation.

Throughout the greater part of this large pile of Tertiary sediments the author explains that evidences of petroleum are found. Productive oil sands are being exploited at intervals, almost from the bottom to the top. In these Tertiary rocks the presence of petroleum is evident by smell at the outcrops of the productive formations. In the Negritos formation, around Negritos for instance, practically every outcropping sandstone seam smells of petroleum and often the color is clearly perceptible without digging for it. Many of these oil sands are not quite white on their weathered surface, but have a peculiar pinkish tint. The clay-shales of the Negritos formation also smell strongly of petroleum.

In the Lobitos formation some of the gritty sandstones in the southern facies smell of oil, and this is notably the case in the sandstones northeast of Langunitas, while in the Zorritos formation parts of the sandy series smell strongly of petroleum.

Oil on the surface of the sea on this part of the Peruvian coast is often noticeable both from the cliffs and from ship. Mud springs with oil and gas issuing from them occur in a few places, but are not numerous.

The succeeding chapter to that in which the above extracts appear deals with the

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finer's standpoint. While the price of gasoline has increased 50 per cent over 1913, the price of crude has also increased. Today the average crude price is also 50 per cent higher than in 1913, but the price of crude has ranged from 100 to 250 per cent above the 1913 price during the past 6 years. Gasoline has never been 100 per cent above 1913 and has averaged only 50 per cent above for the past 6 years.

Manufacturing and labor costs have increased more rapidly than the price of gasoline. Labor has increased from 100 to 200 per cent, steel 50 per cent, cement 50 per cent, construction costs from 50 to 100 per cent, refining supplies over 50 per cent.

Therefore, from the refiner's standpoint, the price of gasoline is low at present and has been relatively lower during most of the past six years.

Third, consider gasoline prices against prices of other commodities. The Department of Labor's Index of all commodities, based on 1913 averages, is 150 for the third quarter of this year. The gasoline index is also 150. At no time since 1913 has the gasoline index been equal to the index of all commodities. During the period 1918-1920 the gasoline index remained close to 150, while the index of all commodities averaged over 200. Today the price of gasoline is normal with respect to general price averages but this is for the first time since the last quarter of 1916.

The conclusion is that the price of gasoline is too low today.

There would be no profit in trying to calculate what the price should be. The price would be right for all concerned if the law of supply and demand were allowed to operate without the interference of Congressional investigations, unjust freight rates, senseless competition and foolish regulations.

Stock Dividends Are Still Order of the Day

New York, N. Y., Oct. 28.—Stock dividends are still in order. The latest companies to disburse their surplus in this fashion are the Pan-American Petroleum and Transport Company and the Borne-Scrymser Company, the latter a Standard Oil concern.

Directors of the Pan-American at a meeting this week approved of the plan to declare a stock dividend of 25 per cent and to increase the quarterly dividend on both common stocks from $1.50 to $2, including that issued as stock dividend. The directors also approved a plan for an exchange of Mexican Petroleum common and preferred stock, 75 per cent of which is owned by the Pan-American class B stock. This action of the directors was made public by Edward L. Doheny, head of both companies. The plan for exchange calls for the issuing of 2½ shares of class B Pan-American stock for each share of the common stock of Mexican Petroleum and one and one-tenth shares of class B Pan-American for each Mexican Petroleum preferred.

Borne-Scrymser Company directors at a special meeting in Elizabeth, New Jersey, this week recommended the declaring of a stock dividend of 400 per cent and an increase in capital stock from $200,000 to $1,000,000 of $100 par value shares. A special meeting of stockholders to ratify this action has been called for November 22 at the company offices in Elizabeth. Stockholders of record on November 11 will be entitled to vote at the meeting.

In a letter to stockholders of Borne-Scrymser, President Orville G. Waring, stated:

"The company was organized in 1893 with capital stock of $200,000, and this capitalization has never been increased. Due to reinvestment of a portion of the company's earnings and the growth and successful conduct of its business, this capitalization is disproportionate to present value of its net assets.

"If proposed increase in capital is authorized by stockholders at meeting of November 22, the board of directors contemplates at an early meeting thereafter the declaration of stock dividend of 400%, thereby distributing to stockholders the entire amount of proposed increase. A two-thirds vote of the outstanding stock is required to authorize proposed increase."

Borne-Scrymser Company is the smallest unit of the Standard Oil group and has never issued an annual report. The company is engaged in compounding and marketing lubricating oils and much of its output goes for export.

Gulf Division Offices Move to Fort Worth

Wichita Falls, Texas, October 31.—The North Texas district offices of the Gulf Production Company are to be re-established in Fort Worth before November 15th, according to an announcement made here last week by Walter B. Pyron, vice president and actively in charge of all operations of the company in the district.

The district offices were moved here from Fort Worth slightly more than a year ago on the strength of Wichita Falls affording a more centralized point to operate from as result of the completion of a railroad line leading south through the Central West Texas oil fields.

The move has not proven satisfactory for the company, according to Mr. Pyron, and instructions to return to Fort Worth were given at a recent meeting of officials of the company in Pittsburgh, Pa.

The removal of the district offices from Wichita Falls will begin this week, and arrangements have already been made for space in the W. T. Waggoner building in Fort Worth for the location of the offices. It is expected that the entire twelfth and thirteenth floors in the building will be required for the various departments maintained by the company.

Mr. Pyron will continue to be actively in charge of the district offices, with J. Alvin Gardner as first assistant. Mr. Gardner was in charge of the Gulf's zone office in Wichita Falls for several years before the district headquarters were removed from Fort Worth. Including the executives of the company, approximately 75 employes will be moved from Wichita Falls to Fort Worth, and of this number about 50 are married men. The company will bear all expense of moving their effects as was the case before.

A zone office will be retained in Wichita Falls, with R. L. Eckerty in charge, while Roy Reeder will remain as superintendent of the company's producing properties in Wichita County. In addition to these two officers, one engineer and geologist, and field scouts will be in the zone office.

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history of the oilfields, Mr. Bosworth pointing out that the petroleum industry has long been established in Peru, and has steadily grown until to-day it yields at the rate of nearly 4,000,000 barrels per annum, which is equivalent to 0.5 of the world's output, which entitles Peru to rank ninth among oil-producing countries.

The total quantity of oil produced in Peru up to the end of last year was approximately 34,000,000 barrels, or about 0.3 per cent. of that yet extracted from the world's fields.

The developed oilfields of Peru, with the exception of the small primitive oilfield of Pirin in the hills near Lake Titicaca, are all situated on the littoral, and the present producing areas are located at intervals along 100 miles of coast line in the provinces of Tumbes and Payta. In order, from north to south, there are the following commercially productive fields:

(1) The Zorritos field, 18 miles southwestward from Tumbes. This field is owned by a Peruvian company and is operated by Italians and Peruvians. It produces about 260 barrels daily, which is 2.5 per cent. of the country's oil output.

2) The Lobitos and Cabo Blanco (Restin) field, occupying parts of the coast from Cabo Blanco southward for 17 miles, almost to Punta Capullana. This field consists of two separate and quite different portions: (a) a newer field between Cabo Blanco and Punta Restin, and (b) an older field around Lobitos. The Lobitos Oilfields, Ltd., owns and operates this field, which has a daily production of 2,300 barrels, or 22.25 per cent. of the country's oil output.

(3) The Negritos, Lagunitas and La Brea oilfield south of Talara, extending along the littoral for about four miles on either side of Punta Parinas. This field consists of two parts, which at present are distinct: (a) the large Negritos oilfield, which occupies the extent of coast line already mentioned and now stretches inland for about seven miles—the field also includes an area which was once worked by a separate company, and was known as the Lagunitas oilfield; and (b) the La Brea field, which lies 13 miles inland from Punta Parinas, near the foot of the Amotape mountains. At present this field is separated from the main Negritos (and Lagunitas) field by six miles of undeveloped territory. This large oilfield is owned by the International Petroleum Company of Toronto, a subsidiary of the Imperial Oil Company of Canada, and the production is about 8,000 barrels daily, which is 75 per cent. of Peru's oil output.

In addition there are a number of other places at which small quantities of oil have been obtained or at which exploitation has been attempted, such as Grau, Cardalitos, La Breita and Bayovar, etc.

The crude oil of Peru is a sweet-smelling liquid of dark brown or greenish brown color, having a "mixed" base and a low sulphur content. Its gravity is between .790 and .910, but for the greater part of it the figure lies between .810 and .850. The crude oil yields from 15 to 35 per cent. of naphtha and gasoline on distillation to 150° C., and from 30 to 50 per cent. of kerosene when the distillation is continued to 300° C. The remaining less volatile portion of the crude yields excellent lubricants, or can be used as fuel, though it is generally considered too valuable for this purpose. The differences of the crudes obtained in the various fields are not great, but the highest grade of oil is obtained from a part of the Negritos field four miles southeast of Negritos, together with the adjacent southwest part of the Lagunitas plot.

P. H. Hertzog, manager of the Fort Worth sales offices of the Nortex Refining Company, was in Wichita Falls early this week seeking office space to move his headquarters to Wichita Falls shortly.

Washington, Oct. 30.—In a general study of evaporation losses of petroleum being made by the Bureau of Mines, Ludwig Schmidt, junior chemical engineer, has arranged with one of the larger refining companies to conduct a series of tests to determine evaporation losses in 55,000-barrel tanks. Regular monthly gauges will be made and samples of the oil collected in order to determine the change in the quality of the oil during storage. It is later planned to extend this investigation to include water-sealed tanks. Arrangements have been completed for conducting a series of tests in the Tonkawa, Oklahoma, oil field. The crude produced in Tonkawa field ranges from 42 to 44 gravity and contains approximately 40 per cent gasoline. Due to the fact that this crude is very volatile the producing companies are anxious to obtain information as to the saving that can be made by the installation of gas-tight tanks. A number of such tanks are already in use in the field, but refining companies are anxious to obtain information as to additional precautions that should be taken in order to reduce evaporation losses.

Production of Petroleum by States

IN SEPTEMBER

The figures given below for the States east of California, compiled from reports made by pipe-line and other companies to the United States Geological Survey, show the quantity of petroleum transported from producing properties during the months indicated. Petroleum consumed on the leases and produced but not transported from the producing properties is not included. These items are included in the final annual statistics, which show gross production—all the oil brought to the surface. The figures for California prior to August, 1922, are the average of those reported by the Standard Oil Company and by the Independent Oil Producers Agency, and show estimated gross production. Figures for California for August and September are those reported by the Pacific Coast office of the American Petroleum Institute and are in part estimates.

(Barrels of 42 United States gallons)

State—	August, 1922* Total	August, 1922* Daily Av.	September, 1922 Total	September, 1922 Daily Av.	September, 1921 Total	September, 1921 Daily Av.
Oklahoma:						
Osage County	3,378,000	108,968	3,327,000	110,900	1,901,000	63,366
Remainder of State	9,490,000	306,132	8,920,000	297,332	7,814,000	260,467
Total Oklahoma	12,868,000	415,100	12,247,000	408,232	9,715,000	323,833
California	11,849,000	382,222	12,205,000	406,838	7,894,000	263,133
Texas:						
Central & Northern	6,493,000	209,451	6,020,000	200,666	4,710,000	157,000
Coastal	2,828,000	91,226	2,769,000	92,300	2,796,000	93,200
Total Texas	9,321,000	300,677	8,789,000	292,966	7,506,000	250,200
Louisiana:						
Northern	2,719,000	87,710	2,656,000	88,533	1,825,000	60,833
Coastal	133,000	4,290	134,000	4,467	130,000	4,333
Total Louisiana	2,852,000	92,000	2,790,000	93,000	1,955,000	65,166
Kansas	2,734,000	88,194	2,621,000	87,366	3,005,000	100,167
Wyoming:						
Salt Creek	1,383,000	44,613	1,580,000	52,667	826,000	27,534
Other districts	763,800	24,639	607,100	20,236	538,000	17,933
Total Wyoming	2,146,800	69,252	2,187,100	72,903	1,364,000	45,467
Illinois	809,000	26,097	751,000	25,033	806,000	26,867
Kentucky	792,400	25,561	750,000	25,000	729,900	24,330
Arkansas	829,000	26,742	690,000	23,000	1,400,000	46,667
Pennsylvania	669,000	21,581	633,000	21,100	602,000	20,067
Ohio:						
Central and Eastern	417,000	13,452	394,000	13,134	417,000	13,900
Northwestern	180,000	5,806	169,000	5,633	172,000	5,733
Total Ohio	597,000	19,258	563,000	18,767	589,000	19,633
West Virginia	607,000	19,581	558,000	18,600	613,000	20,433
Montana	258,000	8,322	273,000	9,100	137,000	4,567
New York	83,000	2,678	91,000	3,033	88,000	2,933
Indiana:						
Southwestern	76,000	2,451	70,000	2,333	73,000	2,433
Northeastern	21,000	678	19,000	633	21,000	700
Total Indiana	97,000	3,129	89,000	2,966	94,000	3,133
Colorado	8,200	264	7,900	263	9,000	300
Tennessee	600	19	1,000	33	1,100	37
	46,521,000	1,500,677	45,246,000	1,508,200	36,508,000	1,216,933

*Revised.

PRODUCTION OF PETROLEUM BY FIELDS

(Barrels)

Field—	August, 1922* Total	August, 1922* Daily average	September, 1922 Total	September, 1922 Daily average	Jan.-Sept., inc., 1922	Jan.-Sept., inc., 1921
Appalachian	2,569,000	82,872	2,427,000	80,900	22,002,000	23,249,000
Lima-Indiana	201,000	6,484	188,000	6,266	1,705,000	1,857,000
Illinois & S. W. Ind.	885,000	28,548	821,000	27,366	7,778,000	8,191,000
Mid-Continent	25,643,000	827,197	24,234,000	807,797	231,346,000	191,224,000
Gulf Coast	2,961,000	95,516	2,903,000	96,767	26,152,000	25,621,000
Rocky Mountain	2,413,000	77,838	2,468,000	82,266	19,827,000	15,373,000
California	11,849,000	382,222	12,205,000	406,838	96,789,000	88,748,000
	46,521,000	1,500,677	45,246,000	1,508,200	405,599,000	354,263,000

*Revised.

KANSAS ACTIVITY FOR THE WEEK BY TABULATION

County—	New Rigs	Rigs Abd.	Completions	Producers	Gas Wells	Failures	Initial Prod. in bbls.
Butler	2	..	1	..	..	1	...
Elk	1	..	..	..	..	..	...
Greenwood	1	..	1	..	..	1	...
Marion	1	..	..	..	..	..	...
Seward	..	..	1	..	1	..	...
Totals	5	..	3	..	1	2	...

Straight Honored by Mid-Continent Oil Men

Tulsa, Okla., Oct. 28.—Along with the election of officials and directors for the next year, the executive committee of the Kansas-Oklahoma division of the Mid-Continent Oil and Gas Association in session here October 27, took steps toward raising funds for widening the scope of activity of the organization.

While no definite plans have been announced, the committee, of which Dana H. Kelsey is chairman, has under consideration a scale of assessments to be based on the amount of production an individual or concern may have.

H. R. Straight of Bartlesville, vice president of the Empire Gas and Fuel Company, was elected president of the division.

Other officials chosen are Burt H. Collins of Tulsa, first vice president; Charles H. Owen of Caney, Kansas, vice president; Wirt Franklin of Ardmore, vice president; J. H. Kane of Bartlesville, vice president; W. L. Kistler of Tulsa, vice president, representing refineries; and Harry H. Smith of Tulsa, secretary and treasurer.

Five changes were made in the board of directors. J. H. Brennan was chosen to succeed R. A. Broomfield. Claud I. Freeland of Bristow succeeds D. F. Connoly. C. F. Colcord succeeds J. R. Cottingham as the Oklahoma City representative. C. J. Wrightsman and P. M. Miskell, both of Tulsa, succeed Wirt Franklin and Charles H. Owen, who became officials.

Members of the committee serving with Dana H. Kelsey as chairman to raise additional funds for the work of the organization are P. M. Miskell, H. P. Straight and H. A. Griffith.

Tulsa, Okla., Oct. 30.—George W. Martin, who has been with the Carter Oil Company here, has departed for Buenos Aires, Argentine, S. A., where he will take up his new duties as assistant treasurer of the Standard Oil Company of Bolivia. He is accompanied by his wife. They will make their home in the Argentine capital.

Drumright, Okla., Oct. 30.—Divisional offices of the Oklahoma Pipe Line Company are being opened here. R. W. Sparrowhawk will be in charge of the office. It has also been announced that the Oklahoma Pipe Line Company will lay a lateral line into the Bristow field, connecting with the main trunk line seat of Drumright. The line, 4-inch, will be 15 miles long. It will connect with properties of the Carter Oil Company in the Bristow area.

KEY TO ABBREVIATIONS

Following is the explanation of abbreviations and signs used in drilling reports, completions, etc.: *—dry, abandoned well; ‡—salt water; †—junked and abandoned; ¶—million cubic feet of gas; abn—abandoned; bbls—barrels; b. s.—basic sediment; cas—casing; co—cleaning out; dk—derrick; dr—drilling; fsh—fishing; ft—feet; in—inches; lcn—location; m—milling; N. S. E. W.—North, South, East, West; r—reaming; sd—shut down; sdtr—sidetracking; sp—spudded; sr—side reaming; std—standardizing; sw—salt water; td—total depth; ur—under reaming; wo—workover; wosr—waiting on standard rig.

Explains Dividend of Standard of New Jersey

New York, N. Y., Oct. 30.—As a means of financing the company's rapidly expanding business, the Standard Oil Company (New Jersey) proposed the declaration of a 400 per cent stock dividend, preferring to capitalize its large surplus in that way rather than distribute the surplus and then seek funds in the open market for expansion purposes.

This explanation of the action of the directors of the new Jersey Company is considered official inasmuch as it comes through the company's official publication, The Lamp, which carries in the current issue an article regarding the stock dividend. The article goes on to state that the policy of the Standard of New Jersey has been to put back into the business a large share of its earnings every year, and that the company surplus having gone into permanent capital, it could not be distributed otherwise than in the proposed form of additional stock certificates.

The Lamp's story makes plain that the earnings of the Standard of New Jersey have been subjected to all taxes applicable—income, excess profits and others—both at home and abroad, and that during the years of highest excess profits taxes such heavy payments had to be made that the company created and sold to the public two issues of preferred stock in order to finance the natural expansion of its business. An average return of only 12.76 per cent on its investment has been realized during the last 10 years and that during this period common stock holders had in dividends some 30 per cent of the company's aggregate earnings.

Continuing the article stated:

"These now constitute the company's surplus, and are represented in its balance sheet by refineries, pipelines, steamships, raw and finished products and other investments in property both in this country and abroad," continued the article. "That part of the surplus which is in cash is a relatively small portion required for the current needs of the business.

"In 10 years from 1912 to 1921 inclusive, the company has shown net earnings before taxes of $775,163,260. Of this considerable sum $115,517,617 has been paid to the government for taxes, $222,065,226 represents aggregate dividends for the period, and $437,580,357 has been absorbed by the needs of business referred to."

Well Catches Fire; Driller Loses Life

Wichita Falls, Texas, Nov. 1.—W. Henry Toney, driller aged 36 years, was fatally burned and O. W. C. Smith, helper, sustained painful injuries Tuesday night when fire totally destroyed a well being completed by the Empire Gas and Fuel Company on the Burnett-Lloyd lease in the South Electra field. The two workmen were engaged in swabbing the well when it made an unexpected flow with considerable gas, resulting in the men being saturated with oil. Fire suddenly broke out and before Toney could reach safety his clothing was afire. He began running with flames reaching several feet above his head and had to be knocked down before other workmen could extinguish the blaze. Death came at a hospital in Electra. Smith received his burns attempting to save Toney. The derrick and rig equipment were destroyed. The well made several heads while afire.

Northeast Texas Wildcats

COMPLETION

Company, well, location	Initial Production Bbls.	Depth
Harrison County—		
Bethany Oil & Gas Co.'s Crenshaw 211	110	1925

DRILLING REPORT.

BOWIE COUNTY—Fitzhugh et al's Rochell 1, sd 1610 ft; Perkins 1, dr 1450 ft. Tri-State Oil Co.'s Taylor 1, sd 2895 ft.

CASS COUNTY—Callson-Price Pet. Co.'s Spears 2, sd 3295 ft. Hughes Springs Synd.'s Stovall 1, dr 1500 ft.

HARRISON COUNTY—R. H. Hale et al's Harris 1, sd 4040 ft. Snelling et al's State 1, sd 2635 ft. Universal Pet. Co.'s Bivens 1, sd 2910 ft.

MARION COUNTY—Pettitt Oil Corp. Rives 1, to pump 2210 ft. McCommick et al's McCay 1, dk.

PANOLA COUNTY—Bethany Oil & Gas Co.'s A. Jernigan B-202, sd 2395 ft; S. M. Burns 212, set 10-inch 500 ft. Galloway et al's Edon 1, sd 3140 ft. H. C. Morris Trustee's Lewis Werner 3, dr 2575 ft; Lewis Werner 4, lcn.

SABINE COUNTY—Deering et al's Harris 1, sd 3300 ft.

Stocks of Crude Oil in U. S.

Stocks of petroleum are classified as follows:

Producers' stocks—Petroleum held on the producing properties (lease storage).

Pipe line and tank farm stocks—Petroleum that has been removed from the producing properties but not delivered to refineries or to other consumers and is held on tank farms, in tanks along pipe lines, and in the lines.

Refinery stocks and stocks held by other consumers—Petroleum that has been delivered to refineries or to other consumers.

Pipe line and tank farm stocks constitute by far the greater part of the petroleum held in storage in the United States. For the states east of California such stocks are reported monthly to the Geological Survey as gross stocks, including the total contents of tanks and pipe lines, and as net stocks, which are gross stocks minus b. s. and water. Stocks for California, prior to August, 1922, are those published in the Standard Oil Bulletin; for August and September stocks for California are those published by the Pacific Coast office of the American Petroleum Institute and include producers', refinery, pipe line, and tank farm stocks of crude, residuum, and tops.

STOCKS OF PETROLEUM ON LAST DAY OF MONTH

(Barrels)

Source by Fields—		*August 31, 1922	Sept. 30, 1922	Sept. 30, 1921
A. Domestic petroleum				
East of California: Pipe line and tank farm stocks:				
Appalachian: N. Y., Pa., W. Va., Eastern and Central Ohio:	Gross..	5,965,000	6,071,000	4,495,000
	Net..	5,704,000	5,810,000	4,229,000
Kentucky:	Gross..	2,958,000	2,975,000	2,140,000
	Net..	2,856,000	2,866,000	2,053,000
Lima-Indiana:	Gross..	1,118,000	1,001,000	1,548,000
	Net..	859,000	728,000	1,110,000
Illinois-S. W. Indiana:	Gross..	10,436,000	10,494,000	6,951,000
	Net..	9,939,000	10,005,000	6,473,000
Mid-Continent: Oklahoma, Kansas, Central and North Texas:	Gross..	147,054,000	147,947,000	100,107,000
	Net..	135,045,000	136,541,000	90,140,000
North Louisiana and Arkansas:	Gross..	16,440,000	16,199,000	10,163,000
	Net..	15,820,000	15,570,000	9,650,000
Gulf Coast:	Gross..	25,339,000	25,880,000	18,702,000
	Net..	23,597,000	24,119,000	17,150,000
Rocky Mountain:	Gross..	1,886,000	1,834,000	1,120,000
	Net..	1,861,000	1,817,000	1,113,000
Total pipe line and tank from stocks east of California:	Gross..	211,196,000	212,401,000	145,226,000
	Net..	195,681,000	197,456,000	131,918,000
California: Producers', refinery, pipe-line, and tank-farm stocks of crude, residuum, and tops....		54,272,000	56,259,000	33,671,000
B. Mexican petroleum held in the United States by importers:				
At Atlantic Coast stations: Crude.....		8,191,000	7,463,000	2,914,000
Topped in Mexico..		2,269,000	2,758,000	914,000
At Gulf Coast stations: Crude.....		9,421,000	7,589,000	2,598,000
Topped in Mexico..		2,067,000	1,739,000	859,000
Total Mexican		21,948,000	19,549,000	7,285,000
Total net pipe line and tank farm stocks east of California, California stocks as defined above, and stocks of Mexican petroleum held in the United States by importers		271,901,000	273,264,000	172,874,000

*Revised.

Louisiana Wildcats Will Bear Watching

Shreveport, La., Oct. 30.—There are a number of wildcats drilling in Louisiana which are being watched with interest by the talent. No one has decided that other fields will not be found in the state.

Smitherman and others, who are exploring a recently discovered salt dome in the Arcadia territory, encountered rock salt at 2750 feet in their No. 1 Pentecost, in section 29-18-5, Bienville Parish, which is their second test. Their first hole, No. 1 White, struck the salt mass last August at a depth of 1435 feet. A derrick pattern has been on the ground for some time for their No. 2 White, a third test.

M. J. Kissick, drilling for J. K. Wadley, has set 12½-inch casing at 205 feet and is drilling at around 400 feet in No. 1 Lawhon, in section 8-16-8, near the town of Lawhon, in Bienville Parish.

John Y. Snyder and associates are rebuilding the derrick preparatory to a resumption of drilling in the old Hope Oil & Gas Company's Moore No. 1, in section 13-19-9, near Minden, in Claiborne Parish. This well was abandoned nearly two years ago at a depth of 1405 feet. Several showings of oil were reported while its drilling was in progress.

The Woodley Petroleum Company has built a derrick for a wildcat to be known as No. 1 Smith, in section 23-20-6, Claiborne Parish, eight miles southeast of the town of Homer.

The El Dorado Chief Oil & Gas Company is approaching the 2100-foot level in its No. 1 Kinder, in section 35-22-9, Claiborne Parish, taken over recently from the Fawn Creek Oil & Gas Company. This well is located three and a half miles directly north of the town of Homer.

In section 25-22-5, Claiborne Parish, Adams et al are drilling at around 2500 feet in their No. 1 O'Bannon.

Hoencke and associates are expected to make a deep test during the course of the week in their No. 1 Freeman, in section 15-18-12, Bossier Parish, in which 4½-inch casing was cemented at 3200 feet.

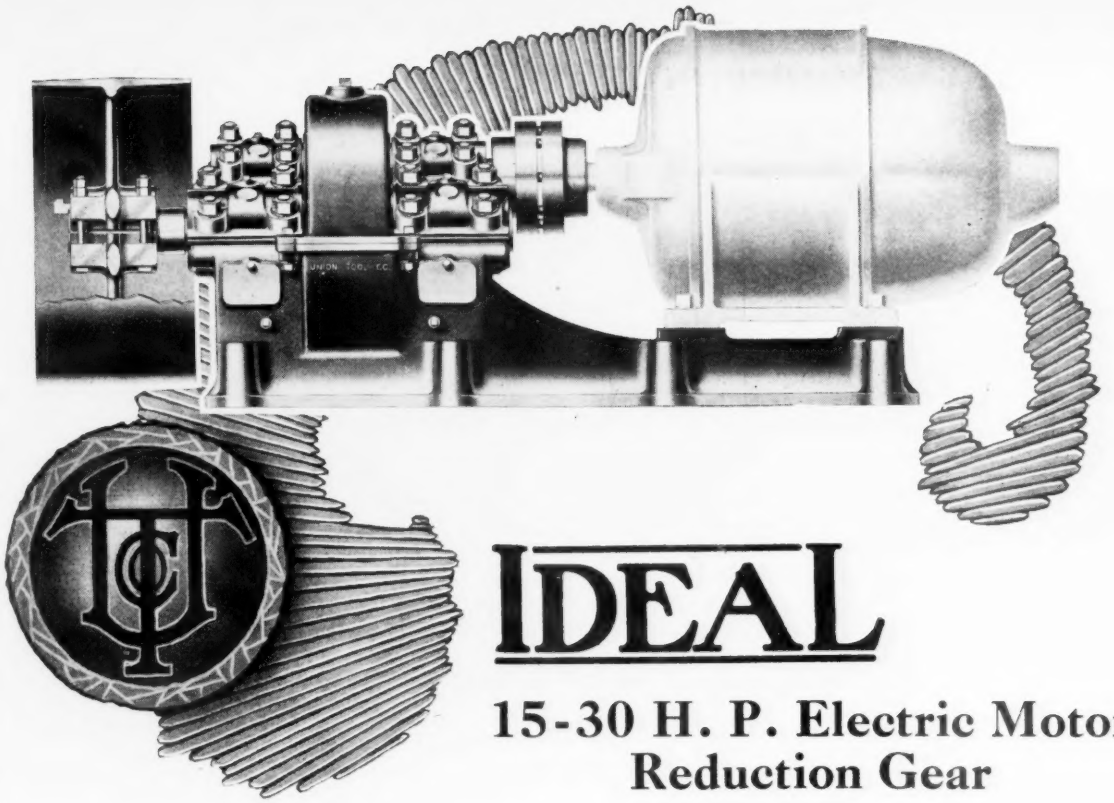
Skannal and others have set casing at 839 feet and resumed drilling in their Fee No. 1, in section 22-17-12, near their recently completed shallow gas well, in the vicinity of Sligo.

Perkins and others have begun drilling and have set 12½-inch casing at 354 feet in their No. 1 Gayle, in section 33-20-3, about a mile and a half southeast of Benton, in Bossier Parish.

IMPORTS OF PETROLEUM AT PRINCIPAL UNITED STATES PORTS

	Atlantic Ports						Gulf Coast Ports					
Week Ending	Baltimore	Boston	New York	Philadelphia	Others	Total	Galveston	New Orleans, Baton Rouge	Port Arthur, Sabine Pass	Tampa	Total	Total at all ports
July 29 ...	54,000	230,000	806,000	91,139	252,000	1,433,139	241,000	364,000	587,000	22,000	1,214,222	2,647,361
August 5	110,000	204,000	476,000	185,000	282,000	1,257,000	98,000	104,000	732,000	.....	934,000	2,191,000
August 12	170,000	182,745	495,000	161,400	276,000	1,285,145	304,000	392,667	277,000	.....	973,667	2,258,812
August 19	140,000	126,000	889,000	140,466	279,000	1,574,466	271,000	118,523	324,000	.....	713,523	2,287,989
August 26	297,000	216,000	404,000	175,000	454,000	1,546,000	314,000	246,000	261,000	157,000	978,000	2,524,000
Sept. 2 ..	225,000	297,000	357,000	88,420	349,201	1,085,621	112,000	131,000	200,000	65,000	508,000	1,593,621
Sept. 9 ..	194,000	136,814	559,254	88,700	60,000	1,038,768	186,000	225,000	195,000	45,000	651,000	1,689,768
Sept. 16 .	185,000	150,000	530,727	259,844	193,000	1,318,571	199,000	123,480	200,000	20,000	542,480	1,861,051
Sept. 23 .	50,000	.....	272,000	94,000	140,000	556,000	292,000	178,000	157,000	20,000	647,000	1,203,000
Sept. 30 .	120,000	156,000	832,720	127,000	103,000	1,338,720	310,000	202,051	96,000	.....	608,051	1,946,771
Oct. 7 ..	140,000	188,239	334,000	253,844	296,000	1,212,083	172,000	140,514	192,000	69,000	573,514	1,785,597
Oct. 14 .	220,000	104,000	331,000	.....	280,938	936,604	348,000	343,210	363,000	.....	1,054,210	1,990,814
Oct. 21 .	61,769	43,564	271,660	200,714	145,000	722,707	424,000	186,202	549,000	30,000	1,189,202	1,911,909

NOTE—Figures compiled by American Petroleum Institute.



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October Crude Production Sets 1922 Record

In face of increased output, number of completions shows a big slump

In the face of a large decline in the number of wells completed in the fields of the United States, not taking into consideration those in the Mountain States and California, October production of crude oil in the United States set a new record for the year.

The total output during the month is estimated at 48,756,135 barrels by The OIL WEEKLY, while the number of completions was 1593, of which 951 were producers of oil. During September a total of 2118 completions were reported, 1312 of which were oil producers. This is the smallest completion list of any month of the year, although in May the completions numbered but 1645.

The initial production of the 951 oil producers in October was 183,023 barrels, but 148,983 barrels of this total came from the states of Texas and Oklahoma. Oklahoma led with total initial production of 92,250 barrels from 217 producers, while Texas had 56,733 barrels flush production from 242 producers.

Oklahoma Leads

Oklahoma continues to lead in point of total monthly production, but during the later part of the month California very likely had nosed out ahead. At least the West Coast fields late in the month had a greater daily average production than did the fields of Oklahoma. It is expected that in November, the fields of California will far outdistance those of Oklahoma, unless a large number of wells with big flush production are completed in the Osage the first part of the month.

The Eastern States fields held their own during the past month, with field work in most instances slowing down to some extent, although the total production for October showed a slight increase.

Things were popping in Arkansas the latter part of the month as big wells were being completed in the Smackover field. This pool is being extended almost every week and the late wells have large flush production. One well was completed with an oil of higher gravity than is usual at Smackover. The fields of the state reported but 33 completions, 23 of which were producers and four gassers. The initial production of the 23 oil producers was 171,785 barrels. Deep tests in the El Dorado pool are being watched with interest, but Smackover holds the center of the stage and will continue in the limelight the rest of the year.

Louisiana Increases

The production of Louisiana showed on a slight increase, although new wells were not of the outstanding type by any means. There was a total of 52 completions, the oil producers and the failures totaling only 19 each, with the rest gas wells. The initial production of the new wells fell down until the total was only 2315 barrels. Wildcat operations continue to receive much attention in Louisiana and the operators are still looking to Webster Parish for a new field.

OCTOBER U. S. PRODUCTION

Following is the gross estimate of crude oil production by states in the United States for the month of October as compiled by The OIL WEEKLY:

	Barrels
Oklahoma	13,142,850
California	12,865,000
Texas	9,787,215
Eastern States	3,599,875
Louisiana	3,053,530
Kansas	2,655,650
Mountain States	2,610,975
Arkansas	1,041,040
Total October	48,756,135
Total September	46,220,565

Things just rocked along in the Texas Gulf Coast, with most of the attention being centered in the shallow wells being completed at Hull. These wells come in with a large initial production, but decline rather rapidly. Several times during the past month the Hull production exceeded that of West Columbia for a day or two, but this average has never held up for a full week. Therefore West Columbia continues to lead as the largest producing field on the coast.

Well at Blue Ridge

Blue Ridge came in for a little excitement when a good well was completed by the Gulf Production Company for a large production of oil of the usual Gulf Coast gravity. Most of the wells at Blue Ridge have started out producing oil of higher gravity, hence the output was classed as freak oil and was of little value. Then these wells would not hold up.

The Gulf Coast reported 62 completions in October, 44 of which were producers of oil. The fields of the coast produced a total of 3,284,870 barrels during the month. In the San Antonio district, Mirando pool is coming to the front with good wells and a swelling production. Somerset is also showing an increase in production and new companies are entering the field.

Slow Down in Oklahoma

Concrete evidence of curtailed activity in the fields of Oklahoma is shown in the summary for the month of October as compared with September. October shows but 395 wells completed, while in September the number was 534.

The big drop is in North Oklahoma and sifted still further, the decrease is chiefly at Burbank, where the federal order halted all completions, except necessary offsets October 5. The order continued through the month and its effect was seen in the last two weeks of the month. North Oklahoma completions in September were 182, in October 115.

Other districts showed decreases but not on a ratio to compare with North Oklahoma.

While the number of completions and the number of producing wells show for a marked decline in October, the initial production column for October shows a slight increase. In September 338 producing wells brought 91,835 barrels of flush production to the surface. While producing wells numbered but 217 in October, flush production amounted to 92,250 barrels.

This is the result of continued drilling in sections that offer and have been yielding big wells. Creek County, the Tonkawa field and Burbank for a part of the month were the fields responsible for the flush production. In these sections drilling has not decreased, while in the older sections it has to a marked degree.

Production in October clung to its high mark, the total for Oklahoma being 13,142,850 barrels, while for September the total was only 12,604,800 barrels. October having 31 days gained more than 400,000 barrels by the calendar.

During the month, however, the Burbank pool went past 83,000 barrels daily and stayed close to the 80,000 barrel mark until the end of the month. The Tonkawa pool rose to 17,500 barrels daily. Creek County held to its high mark.

U. S. FIELD STATISTICS

Following are the completions, showing producers, gas wells, failures and initial production by states except for fields in the Mountain States and California, for the month of October, as compiled by The OIL WEEKLY:

	Completions	Producers	Gas Wells	Failures	Initial Prod.
Oklahoma	395	217	59	119	92,250
Texas	348	242	..	106	56,733
Kansas	58	29	1	28	3,830
Arkansas	33	23	4	6	17,785
Louisiana	52	19	14	19	2,315
Ohio	255	127	77	51	4,536
Kentucky	126	106	7	13	2,523
Indiana	18	14	1	3	122
West Virginia	121	44	49	28	253
Pennsylvania	148	96	33	19	1,821
New York	15	13	1	1	38
Illinois	24	21	1	2	818
Totals October	1593	951	247	395	183,023
Totals September	2118	1312	221	585	184,505
Totals August	1757	1164	167	426	176,134

These sections served to boost the daily output.

In the line of new territory opened, October witnessed the bringing in of the first commercial oil well in Hughes County. The Prairie Oil and Gas Company, drilling an the Gregory farm in 5-9-10, found initial production of 500 barrels. This opens a new pool and gives encouragement to those seeking oil in Southeastern Oklahoma.

Kansas

Except for the continued success of drilling in the Hazlett pool of Butler County and a successful wildcat in Cowley County, Kansas fields had an uneventful month. Production ran slightly below the figure for September.

There are now six wells in the Hazlett pool, producing an average of 500 barrels each daily. The Phillips and Gypsy Companies, drilling separate leases, are owners of all present producing wells.

Central West Texas Declines

Field developments in the Central West Texas district, which consists largely of Stephens and Eastland Counties, Desdemona, and several adjoining counties, contributed no important completions during October, and registered a decline of 44,290 barrels in monthly production. There were 78 completions reported in October of which 56 were producers with a combined initial production of 3,795 barrels and 63,000,000 cubic feet of gas, as compared with 124 completions with 7,427 barrels of new production from 84 producers in September. The operators in this district are holding up on their drilling campaigns for a higher posted price of crude oil, and what small amount of activity taking place at present largely offsets and is necessary to till lease obligations. Premiums are not obtainable to any great extent for their crude, as its grade is not the kind desired by independent refiners for the manufacture of gasoline. Then the depth that is necessary to drill to obtain production is discouraging development.

The Ranger and Eastland fields in Eastland County reported only 22 completions in October with a combined initial production of 1,305 barrels, as compared with 49 completions with 4,210 barrels in September. This is a drop of more than 50 per cent in development, and field reports on drilling wells have simmered down to a few active tests in promising territory. Stephens County also reported fewer completions and slumped 525 barrels in new production. This county's output for October amounted to 1,068,070 barrels, which is a drop of 11,965 barrels.

Shallow producing areas in Northern Callahan County and around the town of Moran in Shackelford County created some interest due to the size of the wells brought in, and the two sections are proving popular with the operators that have only a small amount of capital to work on. The Dalton pool in Palo Pinto County failed to contribute any important developments, outside of several additional dry holes being drilled. Mitchell County broke into the limelight when the Mitchell County Oil Corporation's wildcat test on the Badgett farm increased its gas production to 50,000,000 cubic feet of non-inflammable gas and about 10,000 barrels of salt water at 1070 feet. The well became uncontrollable, and the owners appealed to the Railroad Commission for assistance in handling the monster. It later demolished the derrick and engine house, and towards the last of the month was giving indications of exhausting itself.

Ten Month's Production

The following table gives the monthly production for the United States so far this year, estimates for the first eight months being compiled by geological survey, while estimates for September and October were compiled by The OIL WEEKLY:

	Barrels
January	43,141,000
February	40,814,000
March	46,634,000
April	44,635,000
May	46,456,000
June	45,559,000
July	46,593,000
August	46,295,000
September	46,220,565
October	48,756,135

KANSAS MONTHLY PRODUCTION BY FIELDS FOR OCTOBER, 1922

District—	Barrels
Augusta	602,175
El Dorado	564,990
Elbing and Peabody	615,835
Covert and Florence	313,875
Other fields	558,775
Total	2,655,650

KANSAS CONDENSED SUMMARY FOR OCTOBER, 1922

County—	Completions	Producers	Gas wells	Failures	Initial Prod.
Butler	23	11	..	12	2,335
Chase	1	..	..	1	....
Cowley	4	1	..	3	60
Elk	1	..	..	1	....
Greenwood	20	15	..	5	1,285
Lyon	2	..	..	2	....
Marion	4	1	..	3	100
Pattowatomi	1	..	..	1	....
Sumner	1	..	1	..	....
Woodson	1	1	..	..	50
Totals	58	29	1	28	3,830

150 Completions in North Texas

Oil recovered from the fields in the North Texas district during the month of October amounted to approximately 2,074,915 barrels, which is a decline of 29,015 barrels as compared with the totals for September. The Burkburnett and Electra fields sustained the greatest losses, which were partially overcome by gains from the Young and Archer County fields. The district as a whole reported 150 completions, of which 99 were producers with a combined initial production of 8628 barrels and 48,000,000 cubic feet of gas. These figures indicate that completions were greater in October than the month previous, despite the fact that a less

(Continued on Page 20)

Past Seven Months

The record for the past seven months is an interesting study, for comparison purposes, the following tables giving field statistics for all states in the Union with the exception of the Mountain States and California:

	Comp.	Prod.	Gas	Failures	Total Initial Prod.
April	2002	1359	167	476	292,569
May	1645	1159	143	343	296,495
June	2008	1429	131	448	278,084
July	1973	1386	148	439	266,740
Aug.	1757	1164	167	426	176,134
Sept.	2118	1312	221	585	184,506
Oct.	1593	951	247	395	183,023

OKLAHOMA MONTHLY PRODUCTION BY FIELDS FOR OCTOBER, 1922

Field—	Barrels
Burbank	2,497,000
Other Osage	1,090,580
Tonkawa	500,725
Creek County	1,986,325
Cushing	898,225
Okfuskee County	722,200
Okmulgee district	640,925
Healdton	595,585
Hewitt	875,690
Duncan and Walters	509,175
Other fields	2,826,425
Total	13,142,850

OKLAHOMA CONDENSED SUMMARY FOR OCTOBER, 1922

District—	Completions	Producers	Gas wells	Failures	Initial Prod.
Old fields	115	62	9	44	30,075
No. Okla.	120	91	13	16	54,875
Okm'lgee dist.	88	27	25	36	2,745
So. Okla.	66	37	11	18	4,555
Miscellaneous	6	..	1	5	....
Totals	395	217	59	119	92,250

OKLAHOMA OLD FIELDS CONDENSED SUMMARY FOR OCTOBER, 1922

County—	Completions	Producers	Gas wells	Failures	Initial Prod.
Creek	86	44	6	36	14,570
Garfield	8	6	..	2	865
Payne	14	10	1	3	4,610
Tulsa	7	2	2	3	30
Totals	115	62	9	44	30,075

NORTH OKLAHOMA CONDENSED SUMMARY FOR OCTOBER, 1922

County—	Completions	Producers	Gas wells	Failures	Initial Prod.
Kay	6	1	5	..	1,000
Noble	20	12	2	6	9,725
Osage	80	70	3	7	43,620
Pawnee	14	8	3	3	530
Totals	120	91	13	16	54,875

OKMULGEE DISTRICT CONDENSED SUMMARY FOR OCTOBER, 1922

County—	Completions	Producers	Gas wells	Failures	Initial Prod.
McIntosh	11	..	6	5	....
Muskogee	8	3	1	4	65
Okfuskee	26	6	10	10	1,625
Okmulgee	40	18	8	14	1,055
Wagoner	3	..	..	3	....
Totals	88	27	25	36	2,745

SOUTH OKLAHOMA CONDENSED SUMMARY FOR OCTOBER, 1922

Caddo	10	6	3	1	475
Carter	25	19	4	2	1,985
Comanche	2	..	1	1	....
Garvin	12	6	..	6	1,635
Stephens	17	6	3	8	460
Totals	66	37	11	18	4,555

Mid-Continent Crudes Are Steady

Oklahoma refineries increased runs in October — Motor fuels softer

By J. F. Carter

TULSA, OKLA., Nov. 1.—Removal of the ban on drilling in the Osage Nation in Oklahoma and the approach of winter in the Rocky Mountain territory are two events that may be considered at this time in their relation to the trend of the crude market in the Mid-Continent.

The Government's order rescinding its former edict was issued Monday and gives free rein to producers on the Indian Reservation who now may proceed with the completion of wells which have been carried to the sand. At the time the restrictions were lifted there were 26 wells ready to be drilled in and approximately 20 wells were nearing the pay.

So that within the next ten days the number of completions in the Burbank likely will force the amount of new production up to a new high level and swell the average daily recovery of the pool to the 80,000 barrel mark, or even higher. Aside from any unusual developments elsewhere in the State, this will send the crude total for Oklahoma back up again.

There is little doubt but that the interior department's shut-down order, short lived though it was, was effective and is responsible for the decline in the State's crude recovery for the last two weeks. That a continuance of the order would have brought about even further declines may be reasonably assumed.

Winter is Coming.

The situation in the Rocky Mountain section, while remote at this time as far as any direct influence on the Mid-Continent market is concerned, cannot be wholly ignored. This week saw the approach of real winter weather, accompanied by snow, in Wyoming. In that country this means that operations will be slowed down and before very long a period of comparative inactivity will set in which more effectively curtails development than any cooperative movement among operators or any order of the Government. The off-season in the Rocky Mountain section is being ushered in now. With the linking of the Wyoming-Montana fields to trunk lines leading north and east this climatic condition will have a very important bearing on the crude price trend in the Mid-Continent. And it appears that the Sinclair Pipe Line Company is not going to be the only common carrier to extend its transporting system to the Rocky Mountain territory.

New Pipe Line?

That the Prairie is seriously considering the laying of a line to tap the Wyoming-Montana development is accepted here. No information as to the project has been forthcoming from officials of the company, other than to the effect that such a venture to be profitable would be dependent wholly on future developments in the Rocky Mountain area which at this time, though optimistic, are not sufficiently advanced to warrant definite action. The Prairie has a producing subsidiary in that section and the expansion program which is being undertaken by the Kasoming Oil Company could be made to assume even larger porportions with an outlet to the east assured. Then there is considerable of Government royalty oil which is to be marketed and the fact that production of wells in some of the Wyoming fields is restricted to present pipe line facilities is another factor which doubtless has been considered in undertaking such a project.

Pittsburgh, Pa., Oct. 31.—It was announced in oil circles here last week that the premium being paid for Pennsylvania crudes in some districts had advanced to 50 cents a barrel. The former premium paid was 35 cents.. The new price makes the total now, including the posted price of $3.00 a barrel, $3.50 a barrel for these grades of oil.

Getting back home again, the present indication is that the Mid-Continent crude market has found a price level which may be undisturbed until after the first of the year, barring unusual developments. Refinery takings are holding up and even more startling is the information from one of the larger refining interests in this field that a survey of the amount of crude run through stills during October indicated a gain of some 4,000 barrels a day over the average for September.

This survey found that Oklahoma and Kansas refiners were actually running more crude to their plants than a month ago while North Texas and Louisiana reported less runs. Arkansas plants indicated no change. This can only mean that the demand for fuel oil and kerosene and distillates for heating is holding the capacity of plants well up to the summer level and that much gasoline is going to storage.

Motor Fuels Softer.

Motor fuels are softer, although the downward revision in tank wagon schedules instituted October 31 by the Standard of Indiana has not exerted its full force at this time, but likely will do so by the end of the week. Export shipments are still good with the Union Petroleum and Taxman Refining handling gasoline for foreign destination. Natural gasoline is receding gracefully and buyers have been in the market for long-time contracts over next year. Gulf Refining is understood to have been inquiring for shipment of 100 cars a month over the next year and some of the other Gulf Coast refiners have taken on absorption to be delivered over November. Blends are fairly active and weak.

Fuel oil is going good and there is a disposition on the part of industrial buyers to take on this burning oil over a remainder of the year at a fixed price starting at $1. Shipments to Pittsburgh and Buffalo territory continue and the market on open purchases is right around that

AVERAGE DAILY PRODUCTION FOR ALL UNITED STATES FIELDS
(Stated in Barrels)

This table is carried each week by The OIL WEEKLY, and shows daily production average for each state or section. Figures for Texas, Oklahoma, Kansas, Louisiana and Arkansas are compiled by The OIL WEEKLY, while estimates for the Mountain States, Eastern States and California are furnished by the American Petroleum Institute.

Week Ending—	West Texas	North Texas	Texas Coastal	Total Texas	Kansas	Oklahoma	Louisiana	Eastern States	Wyoming-Montana	California	Arkansas	U. S. Total
Jan. 7, 1922....	199,220	66,410	108,145	373,775	88,050	311,850	94,475	115,500	59,625	320,000	45,530	1,406,805
Feb. 4	206,225	64,695	108,600	383,230	83,800	323,465	103,195	115,500	58,000	325,000	37,560	1,426,040
March 4	218,275	59,855	104,670	382,800	82,450	342,400	126,805	110,000	57,800	310,000	32,515	1,444,770
April 1	197,170	59,620	101,185	357,975	81,900	366,900	128,530	114,500	71,150	325,000	34,650	1,480,605
May 6	168,720	62,270	113,350	344,340	85,200	391,500	87,725	119,000	74,850	330,000	37,700	1,470,315
June 3	155,900	62,445	113,855	332,200	86,100	399,400	98,360	111,500	79,000	350,000	37,395	1,493,955
July 1	147,305	63,020	107,100	317,425	92,000	415,600	94,795	115,000	83,850	355,000	32,800	1,506,470
Aug. 5	150,230	69,055	105,805	325,090	91,675	420,250	94,350	120,500	85,200	375,000	32,105	1,544,170
Sept. 2	139,120	70,640	108,290	318,050	88,300	421,900	103,415	117,000	81,000	380,000	31,530	1,541,195
Sept. 9	139,778	71,715	104,680	316,173	91,000	420,600	101,095	113,000	82,850	385,000	30,335	1,540,053
Sept. 16	125,365	68,330	106,212	299,332	90,600	409,700	102,425	113,000	78,100	385,000	30,000	1,508,732
Sept. 20	139,940	67,130	106,845	313,915	88,900	424,500	99,615	116,000	83,600	410,000	34,960	1,576,670
Sept. 23	145,060	69,230	106,430	320,700	90,000	420,500	102,105	113,000	83,000	390,000	*37,510	1,556,815
Sept. 30	139,940	67,130	106,845	313,915	88,900	421,700	100,245	115,000	77,500	395,000	36,300	1,548,560
Oct. 7	136,795	68,625	113,385	318,805	89,190	424,500	99,615	116,000	83,600	410,000	34,960	1,576,670
Oct. 14	133,695	65,325	116,690	315,710	90,425	428,200	96,495	116,500	88,300	420,000	29,755	1,585,385
Oct. 21	132,520	66,640	114,895	314,055	90,950	422,750	97,655	117,000	87,500	435,000	33,315	1,598,225
Oct. 28	134,550	66,815	115,550	316,915	91,050	420,700	96,245	116,000	86,250	430,000	38,580	1,595,740

NOTE—Mexia production included in West Texas. *Includes Smackover field.

Freight Rate Cut in North Texas

Wichita Falls refiners can compete with Group 3 plants

WICHITA FALLS, TEXAS, Oct. 31. —Advance notice given to North Texas refiners early this week by the M. K. & T. railroad that another reduction in freight rates on petroleum products destined for points in the so-called Standard of Indiana would be placed into effect December 7, 1922, will give these plant owners an opportunity to compete with Group 3 refiners on a more equal basis for business in this territory, and will incidentally afford a better demand for crude in the North Texas district this winter than was anticipated since the refiners will naturally enjoy a greater volume of trade. The news of the proposed reduction in freight rates, which applies to North Texas refiners only, came as a surprise, and was made voluntarily on the part of the railroad company with an authorization by the Interstate Commerce Commission. The new rates will be known as Southwestern Lines Tariff No. 35-N, Supplement No. 26.

The North Texas refiners at present have a 5½-cent differential over Group 3 in most of the Standard of Indiana territory, or the section covered by E. B. Boyd's Tariff No. 90-C, and when the new rates are placed into effect the differential will be reduced to 2½ cents. The North Texas refiners have been enjoying the 5½-cent differential over Group 3 refiners only since October 8 of this year, and the additional reduction will place the two refining districts on an almost equal basis. The new rate will make freight costs on motor fuels moving out of North Texas points only slightly more than one-tenth of a cent per gallon more than the existing rate applying in Group 3 territory, while fuel oil will be reduced to only 7¾ cents per barrel difference.

The territory that the North Texas refiners will be granted reduced rates to includes the following states: Indiana, Illinois, Iowa, Kansas, Michigan, Minnesota, Wisconsin, North and South Dakota, Nebraska and Missouri, and across the border into some parts of Canada. This section of the country is the source of an abundant demand for gasolines, as well as fuel oil in the major cities, but North Texas refiners have been excluded to a certain extent because of freight rates.

Although the spot crude oil market in the North Texas district remained practically unchanged during the past week with premiums continuing around 40 cents per barrel above the posted price, cheaper premiums will be necessary for refiners to exist as result of further reduction of tank wagon prices in certain sections of the country early this week. Wholesale prices quoted by the refiners on motor fuels early this week were from ¼ to ½ a cent per gallon lower than last week's quotations, due to the past slow movement of gasoline stocks to domestic buyers, who were undoubtedly remaining out of the buying market in anticipation of the reduction in tank wagon prices that developed. However, inquiries were beginning to reach the refiners late Tuesday for prompt shipments of gasoline, which is generally accepted as evidence that the domestic buyers as a whole are running low on stocks. A buyers' market prevails on gasoline, and the jobbers are trying to force the refiners to accept their price offers before shipping instructions will be granted.

Entrance of several railroad fuel oil consumers in the North Texas fuel oil market caused a flurry Monday and Tuesday in buying, and surplus stocks were materially reduced. The orders placed amounted to as much as 20,000 barrels each for delivery over November, and has added a brighter outlook for the fuel market for the balance of the year. Fort Worth refiners are demanding from $1.15 to $1.25 per barrel for their fuel, while North Texas plant owners are having no difficulty in disposing of their product from 95 cents to $1. Kerosene is giving no indications of taking a reaction from its recent rise to the front in prices as well as demand, and the bulk of the orders handled this past week ranged from 5¼ to 5½ cents per gallon.

mark now, ranging upwards to $1.05 and even higher. Kerosene is firm and light distillates are finding a good sale. Neutral oils are comparatively steady with a slight decline in steam refined cylinder oils, both the olive and dark green.

Tank cars are still scarce for shipment of gasoline and kerosene and several of the larger companies are behind on orders for that cause.

Crude Oil Prices

Oct. 31.—Ohio Oil Company posted prices of 75 cents for Kevin-Sunburst (Montana) crude.

	Nov. 2 1922	Nov. 3 1921
LOUISIANA		
Caddo 38 gravity and above	$1.25	$1.50
Caddo 35 to 37.9 gravity	1.15	1.40
Caddo 32 to 34.9 gravity	1.10	1.35
Caddo 32 gravity and below	.75	1.10
Homer 35 gravity and above	1.25	1.50
Homer 31 to 32.9 gravity	1.10	...
Homer 33 to 34.9 gravity	1.15	...
Homer 31 gravity and below	.75	...
Haynesville:		
33 gravity and above	1.10	1.35
32.9 gravity and below	1.00	1.25
Bull Bayou:		
38 gravity and above	1.15	1.40
35 to 37.9 gravity	1.05	...
32 to 34.9 gravity	1.00	...
De Soto Crude	1.25	1.50
Crichton Crude	1.00	1.25
Bellevue (Bossier Parish)	.75	...
Jennings crude	1.25	1.00
Vinton	1.25	1.00
Edgerly crude	1.25	1.00
EASTERN STATES		
Cabel	$1.86	$2.61
Pennsylvania	3.00	4.00
Ragland	1.00	1.25
Corning	1.75	2.15
North Lima	1.98	2.08
South Lima	1.98	2.08
Wooster (9-21-22)	1.90	2.30
Somerset, heavy	1.71	2.40
Somerset, light	1.96	2.65
Illinois	1.77	1.77
Indiana	1.78	1.88
Plymouth	1.15	1.15
Princeton	1.77	1.77
Waterloo	1.25	1.25
WYOMING		
Elk Basin	1.20	1.45
Grass Creek	1.20	1.45
Rock Creek	.80	1.05
Lance Creek	1.20	1.40
Mule Creek	.60	.85
Big Muddy	.70	.90
Salt Creek	.70	...
Osage	1.20	1.40
Cat Creek (Montana)	1.20	1.45
Kevin-Sunburst (10-31-22)	.75	...
Landers	.37½	...

CALIFORNIA

(Crude oil prices at the well)

San Joaquin Valley and Whittier-Fullerton fields		
14 to 19.9 gravity	.60	1.10
20 to 20.9 gravity	.63	1.16
21 to 21.9 gravity	.67	1.20
22 to 23.9 gravity	.73	1.25
23 to 23.9 gravity	.80	1.31
24 to 24.9 gravity	.88	1.38
25 to 25.9 gravity	.96	1.46
26 to 26.9 gravity	1.05	1.55
and for each increase in gravity of one full degree above 26, up to and inclusive of 34.9 gravity, ten cents a barrel additional.		
35 gravity and above	1.85	2.45
CANADIAN CRUDE		
*Petrolia	2.38	2.48
*Oil Springs	2.45	2.55

*Plus 52½ cents bounty.

ARKANSAS		
El Dorado:		
33 gravity and above	1.25	1.50
Below 33 gravity	1.00	1.40
Smackover (9-27-22)	.75	...
OKLAHOMA		
Healdton, Walters, Beaver	.75	.80
Cement	.85	.95
All other fields	1.25	1.50
38 gravity and above (Gulf only)	1.50	...
KANSAS		
All fields	1.25	1.50
KENTUCKY		
Western (Indiana Def. Co.)	1.65	2.18
TEXAS		
N. Texas (except Corsicana)	1.50	1.75
Corsicana, light	1.00	1.05
Corsicana, heavy	.65	.70
Mexia	1.25	.60
Gulf Coast (ex. Pierce Junction, Blue Ridge and Hull)	1.25	1.00
Nacogdoches	3.20	...
Pierce Junction, Grade A	1.25	.80
Pierce Junction, Grade B	.80	...
Hull, Grade A	1.25	...
Hull, Grade B	.80	...
Blue Ridge	.80	..

Market Quotations

Group Three Territory

(Tank car lots, f. o. b. Group Three, or freight rate adjusted)

Gasoline and Naphtha

48-50 450 end point Naphtha	10	10¼
50-52 450 end point Naphtha	10¼	10½
56-58 450 end point	10¾	11
56-58 437 end point (New Navy) i. b. p. 140	11	11¼
58-60 437 end point (New Navy) i. b. p. 140	11½	11¾
60-62 400 end point	14½	14¾
64-66 370-375 end point (export specification)	16½	16¾
68-70 350-360 end point	18	18½

Natural Gasoline

Grade A 72-76, under 375 end point, rec. 90%	14¼	14¾
Grade B 76-80, 375 end point, rec. 88%	14	14¼
Grade C, 80-84, 375 end point, rec. 85%	13	13½
Grade D 80-84, 330 end point, rec. 80%	13	13½
Grade E 84-87, 330 end point	13	13½
Grade 1 60-62, 450 end point (motor blend)	10¾	11¼
Grade 2 62-66, 450 end point, (motor blend)	10¾	11
Grade 3 66-70, 450 end point (motor blend)	11	11½

Neutral Oils

70 Vis. @ 100, No. 2	4½	4½
70 Vis. @ 100, Nos. 2½-3	4	4¼
100 Vis. @ 100, No. 2	5	5½
100 Vis. @ 100, No. 3	4¾	5
150 Vis. @ 100, No. 4	8	8¼
200 Vis. @ 100, No. 3	11	11½
200 Vis. @ 100, No. 4	10¼	10½
200 Vis. @ 100, No. 5	9¾	10
240 Vis. @ 100, Nos. 5 and 6	11¼	11¾
820 Vis. @ 100, No. 6	13	13¼
300 Vis. @ 100, No. 6	14¼	14¾

Cylinder Oils

600 Bright Filtered	27	30
600 Light Filtered	16	16½
600 Steam Refined, Olive Green	5¾	6
600 Steam Refined, Dk. Green,	4¾	5

Burning Oils

41-43 Kerosene A. T.	5	.5¼
42-43 Kerosene A. T.	5⅛	5⅜
38-40 Lt. Straw Distillate	3½	3¾
45-47 W. W. Distillate	7	7½
46-48 W. W. Distillate, 500 e. p.	8	8¼

Wax

124-126 White Crude Scale (pound)	2¼	2⅜

Burning Oils

32-36 Gas Oil	2¾	3
24-26 Fuel Oil (bbl)	$1.00	$1.05
Buyer's cars	$ .90	$ .95

Road Oils (Based on Group 3)

50-60 Asphaltic Content	$1.20	$1.25
60-70 Asphaltic Content	$1.25	$1.30

Tulsa, Okla., Oct. 31.—Employes of the Hiram C. Wilson Syndicate enjoyed a barbecue October 27 on the Okfuskee county ranch of the president of the concern.

NORTH TEXAS

A fair range of prices on refined petroleum products in the North Texas district, f.o.b. shipping point in tank car lots follows:

Gasoline, SR 56-58, 450 e.p.	10¾	11¼
Gasoline, SR 58-60, 437 e.p.	11½	12
Gasoline, SR 60-62, 400 e.p.	13¾	14¼
Gasoline, SR 64-66, 390 e.p.	16	16¼
Naphtha, 50-52, 450 e.p.	8¾	9¼
Natural Gasoline:		
(Casinghead), 80-88	13	13½
(Absorption), 70-74	14	14½
Kerosene, WW, 41-43	5	5½
Distillates, 36-38	2¾	3
Gas oil, dark or straw, 32-36	2½	2¾
Fuel Oil (Wichita Falls)	.95	1.00
Fuel Oil (Fort Worth)	1.15	1.25

Findley, Ohio, Oct. 31.—Effective today, the Ohio Oil Company posted a price of 75 cents a barrel at the well for Kevin-Sunburst crude.

Columbus, Ohio, Oct. 28.—Directors of the Pure Oil Company have declared the regular quarterly dividend of 50 cents a share on the common stock, payable December 1 to stock of record November 15.

Directors also approved purchase of a 10,000 ton all-steel tanker which will be put into service immediately as the W. W. Mills. The tanker has a carrying capacity of 75,000 barrels of oil and is the first to be acquired directly by the company, which has a number under charter.

B. S. Increases With Volume of Water

Washington, Oct. 30.—D. B. Dow, chemical engineer of the Petroleum Experiment Station of the Bureau of Mines at Bartlesville, Okla., who is making a study of oil field emulsions, recently interviewed a number of operators at Tulsa, Oklahoma, and obtained information on methods of dehydration that are being used by different companies. It was found that most companies are using chemicals for treating oil field emulsions, although in a number of fields the centrifugal process is in rather general use.

An extended series of laboratory tests has been made to determine the effects of large amounts of water when produced with the oil. It was found that with 10 per cent oil and 90 per cent water, only a small percentage of b.s. was formed and that about 98 per cent of the water separates on standing. By decreasing the amount of water and increasing the amount of oil, the percentage of b.s. increases and the amount of free water decreases. The laboratory experiments coincide with the information that has been obtained from field men to the effect that in a well producing excessive amounts of water there is less trouble from emulsions than in one that produces a comparatively small amount of water. Additional laboratory tests will be made to determine the effect of finely divided material on the formation of oil field emulsions.

Columbus, Ohio, Oct. 30.—Directors of the Pure Oil Company have declared the quarterly dividend on the common stock, 2 per cent cash to stockholders on record Nov. 15.

OCTOBER CRUDE PRODUCTION SETS 1922 RECORD

(Continued from page 17)

amount of drilling activity took place, as September reported only 132 completions with 9722 barrels of new production from 81 producers. The fact that October was able to furnish more completions with fewer drilling wells is explained by reason that a great many tests were spudded in before or soon after reductions in crude prices were made, and are just being completed, while in the meantime new locations are becoming fewer each week.

The Ferguson pool in Northern Archer County due south of the old K-M-A field and the Nocona gas field in Northern Montague County occupied the center of interest in the district during the month of October. The former territory was discovered last July by the Freeman and Hampton Syndicates test on the W. P. Ferguson farm good for 100 barrels at 1443 feet. Since the completion of this well, five additional producing horizons have been developed in the nearby vicinity, thereby resulting in an active leasing campaign and drilling of a number of tests. Success of operators in this section of Archer County is encouraging wildcatting in other parts, and discovery of additional producing areas are considered likely.

The Nocona gas field drew no small amount of attention when a 70,000,000-cubic foot gasser was brought in early in the month by The Texas Company on the J. E. Lemons farm. This gas production was mudded off at 796 feet, but further drilling uncovered more gas pay to 824 feet, good for about 20,000,000 cubic feet of gas in addition to the large quantity shut off. Practically all the choice acreage in Montague County has been leased up, and the progress being made by the drilling tests is watched closely for oil developments.

Burkburnett Fields

The Burkburnett fields produced approximately 846,380 barrels during October, which is a decline of 29,890 barrels from September figures. Only 13 completions were reported in October with eight producers having a combined initial production of 261 barrels. During the month previous 28 completions were scored and 703 barrels of new production was added from 16 producers.

The Electra field reported 63 completions during October as compared with 54 for the month previous, but only increased 332 barrels in new production over September figures. During October, the Electra field produced approximately 711,685 barrels, which is a decrease of 27,665 barrels during the months period. Field operations have been greatly curtailed during the past four weeks due to the low price of crude and also because of a serious shortage of water in some parts of the field.

The Young County fields are showing more life than any other major producing area in the North Texas district, because of the large initial production obtained from new wells, and extensions to the east wing of the Bunger district continue to aid in spreading developments over a wider area. Flush production obtained from several deep wells completed in October made it possible for this month to increase in total monthly output to the extent of 9260 barrels.

MOUNTAIN STATES
WYOMING, MONTANA, COLORADO

ROCKY MOUNTAIN COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Salt Creek Field—		
Mountain & Gulf 13-a NE 13-40-79	830	2554
Wyo. Oil Fields 20-a, NW 30-40-79	250	1975
34-a, NE 24-40-79	910	1850
P. & R., 18-40-78	100	1810
Baxter Basin Field—		
Midwest Ref. Co., 11-17-104	¶40	2426
MONTANA		
Kevin-Sunburst District—		
Ohio Oil Co. 3, 24-35-2w	50	900
4, 24-35-2w	50	900
5, 24-35-2w	50	900
2, 34-26-2w	50	1000
Gladys Belle, 24-35-3	50	1100
Pondera County—		
Conrad Oil Co. 2-28-3w	*	2400

P. & R. Gets Valuable Holdings; Fensland Deal

Casper, Wyo., October 28.—Although no confirmation can be had locally, it is reported from Denver that the terms on which the transfer of the Fensland Oil Company was made to Producers and Refiners corporation was on the basis of 35 shares of P. & R. for 100 of Fensland. There are 370,000 shares of Fensland outstanding of no par value which would necessitate the issuing of 119, 500 shares of the P. & R. to handle the trade. At the present market price of the shares this would figure about $5,736,000 as the price for the Fensland properties. Of this land the company has a net acreage of 960 acres in the Salt Creek field, most of which is considered proved, the remainder being several thousand acres in Texas, with some producing.

It is believed certain in well-informed circles that the acquisition of this property will insure the building of a pipeline by Producers and Refiners from the Salt Creek field to the site of the new refinery at Grenville, via the Ferris field, the company having about 1500 barrels per day from its own properties in addition to an average of 1300 barrels from the Fensland, the output from both of which can be greatly augmented by further drilling.

Casper, Wyo., Oct. 28.—It is reported from Rawlins that the officials of the Producers and Refiners Corporation have decided to build the new refinery of that company, which will have an initial capacity of 10,000 barrels, at Grenville, a small station on the Union Pacific seven miles east of Rawlins and four miles from the Platte River.

Montana Produced $4,005,569 Worth of Oil in Eighteen Months

HELENA, MONT., Oct. 28.—Oil produced in Montana in the 18 months which began January 1, 1921, and ended June 30, 1922, had a value of $4,005,569, according to figures made available at the office of the state board of equalization today.

The production of the Cat Creek field in that period was 2,379,720 barrels of which 97,216 barrels were lost by evaporation or leakage. The Roundup field in that period produced 133,885 barrels, with a value of $106,948. No figures from the Kevin-Sunburst field are included as production.

The seven refineries now operating in Montana paid the state in the 18 months period $22,239 and an additional $3084 is due and collectible. The tax rate on refining is one cent for each gallon of gasoline produced and sold within the state.

Casper, Wyo., Oct. 30.—The first second Wall Creek sand well on Teapot Dome was completed Saturday by the Mammoth Oil Company in section 29-39-78 with an estimated production of 2500 barrels at an approximate depth of 2800 feet. It is looked upon as a very favorable completion since it is located in the lower part of the field and on the extreme northwest of the structure where only one well had been planned for the present due to the poor surface indications.

First Common Carrier Line Salt Creek-Casper

Casper, Wyo., Oct. 28.—To the Western Pipe Line Company goes the honor of running the first crude from Salt Creek to Casper through a common-carrier line. With oil turned in at the Salt Creek end on Friday morning, a week ago, the line was reported full and running from this end at 11:15 o'clock Saturday night. The pumps were immediately closed down until 10 o'clock Sunday morning when the flow was turned into storage tanks at the Midwest tank farm and smce that time has been pouring forth in an unbroken stream which will be continued.

This line, of which Max W. Ball is president, was started last spring as a common carrier for the handling of independent oil from the Salt Creek field. It is now running about 10,000 barrels for the Midwest Refining Company, the balance being open for independent companies, and in the event that more oil is offered than can be handled, the output of the various companies will be prorated.

Casper, Wyo., Oct. 28.—The following Casper men are in Denver this week-end to attend the sessions of the American Geologists Convention in session there: K. B. Knowles, petroleum technologist, U. S. Bureau of Mines; R. S. Ellison, vice president Midwest Refining Company, E. L. Estabrook, production engineer, Midwest Refining Company; E. A. Froyd, chief geologist, Midwest Refining Company; W. H. Geis, of the Consolidated Royalty, and A. J. Hazlett of the Oil Index.

Nine Producing Wells At Kevin-Sunburst

Helena, Montana, Oct. 28.—More than a million and a half dollars will be spent in the Kevin-Sunburst oil field of Montana by the end of the present season in purchase of leases, drilling, and in organization of companies, according to Charles C. Adams, who recently returned from a survey of the district as field assistant to the state board of equalization.

Nine wells are producing oil in commercial quantity in the field and eight are producing gas in marketable volume, according to Mr. Adams. Sixty-one operations in the field, in one stage or another are sufficiently advanced that they may be expected to complete their wells.

There are 111,620 acres under lease in the field of which 66,780 are held by local companies and the remainder by interests outside the state. In addition it is estimated that between 50,000 and 60,000 acres of potential oil producing land is held by individuals, either the fee owners of the premises or by outright lease speculators.

Casper, Wyo., Oct. 28.—Change in the storage program of the Producers and Refiners Corporation in the Carbon County fields is reported this week, it having been decided to erect one 55,000 barrel tank at Ferris and two 55,000 barrel tanks at Wertz, instead of building four 55,000 barrel tanks at Ferris, as was originally planned. Three other tanks will be erected at the terminus of the proposed pipeline on the Union Pacific at a point midway between Rawlins and Fort Steele. Material for the tanks is being delivered from Rawlins and work has been started by O'Connor and McGrath.

New Mexico Wildcat Tests Sulphur Water

Albuquerque, N. M., Oct. 31.—The wildcat test of the Midwest Oil Company in the northern part of the Navajo Indian reservation in San Juan County, New Mexico, which was reported to have flowed several heads of oil early this month from a sand at 825 feet, has tested sulphur water when drilled two feet deeper. The well had penetrated three feet in the oil sand when the heads were made. The Midwest Company has announced that casing will be set to shut off the water sand to deepen the well.

OKLAHOMA PRODUCTION

Tulsa, Okla., Oct. 31.—The daily output of Oklahoma fields for the past week was as follows:

Field—	Barrels
Burbank	75,700
Other Osage	34,000
Creek County	65,000
Cushing	28,900
Hewitt	27,700
Okfuskee County	21,500
Tonkawa	21,000
Okmulgee District	20,000
Healdton	19,000
Duncan and Walters	16,200
Other fields	91,700
Total	420,700
Last week	422,750

OKMULGEE DISTRICT COMPLETIONS.

Company, Well, Location	Initial Production bbls.	Depth
Okfuskee County—		
Foster Oil Co. Pigeon 3 SWc NE SE 2-10-9	75	3115
Independent Oil Co. Pigeon 3 C N L NW SE 2-10-9	400	3150
Lenox Oil Co. Dillard 1 SEc NW SW 13-11-9	*	3175
Skelly Oil Co. Taylor 1 NWc NE 14-11-11	*	2865
Texas Co. Holmes 1 C N L NW NE 30-11-11	*	3010
Transcontinental Oil Co. Harjo 1 NEc SE 10-10-11	*	2765
Okmulgee County—		
E. Calvin et al Friday 2 SWc SE SE 29-13-11	*	3405
Eagle Pitcher Oil Co. Holmes 3 SWc NE SW 34-12-12	¶1½	1400
E. J. Lambert King 3 SWc NW NW 9-13-15	*	815
Lucky Tiger Oil Co. Rentie 11 C W L SW NW 25-15-14	10	2145
Minnehoma Oil Co. Thompson 1, SEc NE SW 6-15-11	*	3025
Nicholson Corp. Looney 1 C NE NE 33-11-12	*	2750
Conard 1 SEc SW SE 13-11-13	¶1½	1350
Davis 1 SEc NE SE 13-11-13	¶½	750
Davis 2 NEc SE 13-11-13	¶½	1310
Davis 3 SEc 13-11-13	¶1	1320
G. A. Simons Bruner 3 C NE NE NW 8-13-10	¶1	780
Wooster et al Starr 1 NWc NE SW 29-12-13	¶½	1195
Wagoner County—		
H. H. Francis et al Howard 8 C E½ NE 30-15-16	¶1	660
Hughes County—		
Eugenia Oil Co. Stul 1, NWc SW 29-6-12	*	3155
Prairie O. & G. Co. Gregory 1, 5-9-10	500	3330

SOUTH OKLAHOMA COMPLETIONS

Company, well, location	Initial Production bbls.	Depth
Carter County—		
Amerada Pet. Corp. Farve 3 SWc NE NW SE 20-5s-1e	20	1430
Humble O. & R. Co. Lester 4, C NW NW NW 35-2s-3w	50	2135
Merrick et al Bennett 4, NEc NW 31-2s-2w	500	2635
Garvin County—		
Concord Oil Co. Harkreader 4, SEc SW SE 11-1n-3w	75	1465
Magnolia Pet. Co. Jones 4, SEc NE NE SE 14-1n-3w	10	1360
Stephens County—		
Best of All Oil Co. Armstrong 5-A, NEc SE SE 24-1s-9w	¶11	2160
Hamon et al Armstrong 1, SWc SE 24-1s-9w	¶15	1790
Pauline Oil Co. Anderson 1, SWc SE NW 27-1s-8w	*	2500

Two Wells in Hughes County May Mean New Oklahoma Pools

TULSA, OKLA., Oct. 31.—Since the Prairie Oil & Gas Company completed its well on the Martha Gregory fee in section 5-9-10, near the north line of Hughes county, the Transcontinental Oil Company has what seems to be another wildcat strike in section 29-10-10, on the south line of Okfuskee county at 3860 feet. The wells are two miles apart.

The wells are not considered on the same structure, neither are they producing from the same formation. The Transcontinental well with 400 feet of open hole below the 5-inch casing is good for 100 barrels at 2860 feet, while the Prairie well to the south is producing 500 barrels daily from 3330 feet.

These wells, aside from the pools they may or may not have uncovered, have revived interest in a section of Oklahoma that was rapidly growing in disfavor. This southeastern part of the State, especially Hughes, Seminole and McIntosh counties have had a big play over the past two years and various gas wells have encouraged drilling.

Until the Prairie well was completed, neither of the counties had anything like commercial oil production, although showings of oil were frequent in wells that came for big gas production.

Hughes county, especially, was growing in disfavor because of the many failures, most of them abandoned at around 3200 feet. With the finding of oil below 3300 feet in the Prairie well, owned with Wilhoit and others, it is not improbable that many old holes will get new rigs and be drilled deeper in the hope of finding oil. Some of these may even go to the Wilcox sand, which the Transcontinental well hit. This should be found around 4000 feet in this part of the State.

Due to the bad condition of the hole, it is not likely that the test of Fisher and associated on 36-10-11 can be completed. But this test because of its showing from a total depth of 3130 feet, lends further encouragement to the southeastern part of Oklahoma. This well is in the southeast corner of Okfuskee county.

In this general section, the Cosden Oil & Gas company found a show of gas at 3450 feet in the southeast corner of the northwest of 15-10-8, in Seminole county, across the line from Okfuskee county. Six inch casing is being set at this depth.

These favorable developments have come in a bunch so to speak and the wildcat campaign for this part of Oklahoma is sure to get another lease on life. Previously it was losing favor.

There are now six rigs up around the Prairie well in Hughes county. The Prairie Oil & Gas Co. with its partners have three rigs ready for new wells. The three are well necessary because of lease clauses or offset acreage. The Carter Oil Company is rigged up on No. 1 Hully in the southwest corner southeast northeast 15-9-10. The Pure Oil Company has a rig up in the southeast corner of the northwest of 5-9-10. The Indiahoma Refining Company is rigged up No. 1 Hully in the Northeast of 5-9-10.

Tulsa, Okla., Nov. 1.—Twelve hours after drilling restrictions were removed in Osage County, the Gypsy Oil Company had completed its second well on the southeast quarter of section 24-27-5 on the Burbank tract that sold for $1,600,000 at the June auction.

The well came in for 4000 barrels at 2930 feet in sand topped at 2905 feet, and extends the field a half mile north. It was on this quarter in the southeast corner that the Gypsy got its 10,000 barrel well just before restrictions halted drilling.

NORTH OKLAHOMA COMPLETIONS

Company, Well, Location	Initial Production Bbls.	Depth
Grant County—		
Schoenwald et al Martin 3 C NW SW SW 23-27-3w	¶5	3970
Noble County—		
Cities Service Co. Gordon 1 NWc 28-21-1w	¶1½	1540
Comar Oil Co. Carmichael 2 NWc NE 3-24-1w	1200	2050
McCaskey & Wentz Hays 2 C NE NE SW 3-24-1w	100	2655
Southwestern Pet. Co. Murray 18 C NW SE SW 10-24-1w	1700	2640
Pawnee County—		
Columbine Oil Co. Phillips 1 SEc NE 5-23-5	50	3225
Westerley Oil Co. Stocker 1 NEc SE 33-20-6	*	3495
Osage County—		
Comar Oil Co. 1 NEc 2-26-5	250	2965
Evidence Oil Co. 10 C E L SW 34-24-10	¶1	1140
Gypsy Oil Co. 1 SWc NW 28-27-6	50	2995
2 C SW SE SE 24-27-5	400	3000
6 C SW SE SW 28-27-6	75	2980
7 NWc 29-27-6	1250	2970
J. E. McKinney 1 SWc NW 5-22-11	¶9	1740
Peters Oil Co. 5 C S L N½ S½ NE 6-22-9	25	2295
Phillips & Skelly 1 SWc 24-27-5	1000	3040
Tidal Osage Oil Co. C SW SE SW 6-26-6	475	2915

Week in Oklahoma Void of Sensations

Tulsa, Okla., Oct. 31.—Oklahoma oil fields had a week void of sensations, p o-duction falling slightly, completions and new rigs being down to figures that can be considered the low ebb.

The initial production of the 35 producing wells shown from a total of 72 wells completed, was but 13,930 barrels.

Even Creek county failed to show its usual quota of big producers and Tonkawa had an off week. Outside Burbank and the new area in the northern part of Hughes county, reported elsewhere in this issue, the effect of a general tendency of curtailment is apparent.

Production at Tonkawa continues to climb steadily . This new field is still the bright spot of North Oklahoma. It continues to draw new rigs. The older part of the field, the south end, is still having a play, many of the old holes, which produced from the 2100 foot level are being drilled to below 2600 feet, where the big production is being found in the north part of the field.

South Oklahoma fields, where curtailment was first to be noticed, is showing fewer completions each week. As no big wells are being shown in the few completed, the fields are slowly dropping in daily output.

THE WEEK OF ACTIVITY IN OKLAHOMA BY TABULATION

County—	New Rigs	Rigs Abd.	Completions	Producers	Gas Wells	Failures	Initial Prod. in bbls.
Creek	21	4	21	11	2	8	4,725
Garfield	3	..	2	2	..	..	425
Payne	..	..	1	1	..	..	25
Tulsa	7	..	2	..	..	2	...
Grant	..	..	1	..	1	..	...
Kay	2	..	..	..	..	..	...
Noble	4	..	4	3	1	..	3,000
Osago	7	..	10	8	2	..	3,525
Pawnee	6	..	2	1	..	1	50
McIntosh	3	1	..	..	..	..	...
Hughes	3	..	2	1	..	1	500
Okfuskee	3	..	6	2	..	4	475
Okmulgee	13	3	12	1	7	4	10
Wagoner	..	..	1	..	1	..	...
Caddo	3	..	..	..	..	..	...
Carter	7	..	3	3	..	..	570
Garvin	..	..	2	2	..	..	85
Stephens	..	..	3	..	2	1	...
Cotton	1	..	..	..	..	..	...
Grady	..	1	..	..	..	..	...
Jefferson	1	..	..	..	..	..	...
Marshall	1	..	..	..	..	..	...
Seminole	1	..	..	..	..	..	...
Totals	65	9	72	35	16	21	13,390
Last week	67	3	76	40	16	20	6,860

OKLAHOMA OLD FIELDS COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Creek County—		
Joe Abrahams Strip 2 C N L SE SW 33-16-9	1100	2959
W. S. Anthony Sanderson 5 C E L NW NW 3-16-12	¶3	1780
Bartlett et al Smith 1 NEc NW 16-18-9	*	3180
Cosden O. & G. Co. Colaw 6 SWc NE SW 26-16-9	500	2975
Flesher Pet. Co. Tiger 13 N¾ Wc SE 12-18-12	100	2005
Gypsy Oil Co. Berryhill 1-A NEc SW 9-17-12	5	2360
Taggart 21 SWc NE 9-17-12	5	2965
Tom Kelly NcNac 1 NEc SE SW 34-15-10	*	3225
Leonard Pet. Co. Grant 1 SWc 19-16-12	¶6	1475
Paraffine Oil Co. Leary 1 SWc NE 23-16-11	*	2865
Pulaski & Skelly Fife 7 SWc SE 15-14-8	100	3210
Roland Oil Co. Lyons 2 NEc NW NW 35-16-9	700	3000
Sartin Bros Wilber 1 NWc SW SE 33-15-8	*	3265
T. B. Slick Indian 1 SEc NW 21-14-8	*	3235
Fee 3 SWc NW EW 14-16-9	500	3015
Texas Co. Williams 3 SWc NE SE 11-14-8	*	2750
Posey 3 SEc SW SE 27-16-9	425	2910
Tibbens Oil Co. Yarhola 4 NEc SE SE 34-15-8	35	2550
Tidal Oil Co. Hardridge 4 SWc NW NE 12-18-12	1250	2900
H. F. Wilcox O & G Co. Lewis 1 SEc NE 34-16-8	*	3180
Winemiller et al McCoy 2 NWc SW NW 18-16-13	*	2310

Gypsy Co. Has 1800 Barrel Well in Kansas

Augusta, Kansas, Oct. 31.—Initial production of 1800 barrels was found by the Gypsy Oil Company in its No. 1 N. Hazlett, southwest corner of the northwest of the southwest quarter of 6-24-5. This is the best well yet completed in the Hazlett pool of North Butler County, where seven wells are now producing. It is 2463 feet deep.

This well was also the first to show no water. All other wells of the pool are producing some water, one or two as much as half the output being water and emulsion. Another Gypsy well, No. 1 W. Hazlett in the southeast corner of the southwest of the southeast quarter of 1-24-4, is making 600 barrels of oil from 2450 feet with about 500 barrels of water.

As is the case with other wells of the pool these are being pumped. The wells are equipped with 3-inch or 4-inch tubing, which permits the big output on the pump. Enough hydrostatic pressure is present to keep the holes filled with oil.

The Phillips Petroleum Company is now building a loading rack at DeGraff, Kansas. A line will be run five miles from the pool to the railroad. At present the White Eagle Oil and Refining Company is taking most of the oil that is going out of the field. Some of the Phillips production is going into storage at Elbing, while the Gypsy has some storage near its Hazlett wells.

The area included in the present producing limits of the Hazlett pool gives assurance of good production there within a few months. The acreage is closely held, the Phillips and Gypsy Companies being the principal holders.

Until more wells can be completed in the Cambridge district of Cowley County, nothing definite can be told of the strike made by the Empire Gas & Fuel Company in its Brown test some weeks back. This area is betting a more general play, due to the fact that acreage was easily bought by independent producers. The Brown well is producing 200 barrels daily. Reliable reports have it that the well could produce more than that.

Kansas production showed a slight gain last week. The output of the Hazlett pool is more than offsetting the loss in the older fields.

Company, well, location	Initial Production Bbls.	Depth
Garfield County—		
Rabbitt's Foot Oil Co. Heim 6 C SW NE NW 36-22-4w	75	2198
Sinclair O & G Co. Campbell 10 C N L NW 30-22-3w	350	2125
Payne County—		
Pure Oil Co. Mobius 1 NWc NE NW 4-19-5	25	3265
Tulsa County—		
Burton & Holmes Perryman 2 SEc NW 15-19-10	*	2700
E. P. Robinson Myers 2 SWc NW NW 26-19-10	*	2540

CORBETT TO TAKE OVER STERLING MANAGEMENT

Wichita, Kan., Nov. 2.—Management of the entire properties of the Sterling Oil and Refining Company with headquarters in this city will be assumed by J. A. Corbett, president of the company, effective the first of the year. Mr. Corbett will move with his family to Wichita from St. Louis where he has been residing.

C. L. Henderson, vice president of the Sterling, has tendered his resignation effective with the first of the year and after that date will become associated in an executive capacity with the Vickers Petroleum Company of Wichita. Mr. Henderson is an executive of considerable experience and is one of the best known refinery men in the Mid-Continent field.

Both the Sterling and Vickers have properties in Kansas, including refineries; that of the former company being located in Wichita and that of the latter in Potwin.

Homer Peeples, independent oil operator of Fort Worth, was a business visitor in Wichita Falls last week.

KANSAS PRODUCTION

Independence, Kansas, Oct. 31.—The daily output of Kansas oil fields for the past week was as follows:

Field—	Barrels
El Dorado	19,000
Elbing and Peabody	16,000
Fox-Bush	12,000
Greenwood County	9,500
Florence	9,000
Blankenship	5,350
Augusta	4,300
Leon and Weaver	2,900
Other fields	13,000
Total	91,050
Last week	90,950

KANSAS COMPLETIONS

Company, Well, location	Initial Production Bbls	Depth
Butler County—		
Vickers Pet. Co. Jacobs 1, NWc NE SE 6-25-4	*	2780
Greenwood County—		
Mid-Kansas Oil & Gas Co. Christy 1, SEc NE 10-24-9	*	2510
Seward County—		
Traders O. & G. Co. Boles 1, NWc SE NE NW 3-26-24w	65	2995

More Kansas Fields Will Use Electricity

Wichita, Kans., Oct. 30.—Arrangements have been made by Phillips Petroleum Company with the Kansas Gas and Electric Company to supply electricity for operating properties in the new Hazlett pool near Potwin in this State. It is understood that the Kansas Gas and Electric will lay a high power transmission line to tap the territory so as to provide power for both drilling and pumping.

Phillips Petroleum will be able to connect with the line of the Kansas Gas and Electric on its completion from Potwin and obtain power in this way. An agreement between Phillips Petroleum and the Kansas Gas and Electric is understood to provide that the power company will reimburse the oil company for construction costs when as many as fifteen motors are connected up.

Another company besides Phillips Petroleum which has found the use of electricity practical in the Kansas fields is the Watchorn Oil and Gas Company which has a large production in the Peabody pool in this State.

Tulsa, Okla., Nov. 1.—Net earnings of Skelly Oil Company and subsidiaries for September, last, amounted to $471,332 before depletion and depreciation. The production of crude during September averaged 11,760 barrels a day, net, which is the largest recovery for any month thus far.

Kansas Tax Collector Has Blood in His Eye

Topeka, Kan., Oct. 30.—Through the Montgomery county assessor, the State of Kansas is going after some back taxes on crude oil stored by the Prairie Pipe Line Company which the attorney general's department claims has not been assessed during the past five years. The amount of oil involved is understood to be in the neighborhood of 34,000,000 barrels.

The Kansas state tax commission has acted on the advice of the attorney general's office and has instructed the Montgomery county assessor to make assessments this year which will include amounts that are owed on back years.

It is believed that the amount of back taxes collected, if the contentions of the attorney general's department are sustained, will reach $100,000 and may even exceed that figure. Headquarters of the Prairie are at Independence in Montgomery county.

CHARGE EVASION OF LAW IN KANSAS

Wichita, Kans., Oct. 28.—The Blue Ridge Oil and Refining Company, Tuxedo Oil and Refining Company and the Mohawk Oil and Refining Company are made defendants in a suit which has been filed here by R. G. Markwell.

Markwell alleges evasion of the state laws. All of the companies operate under the laws of Kansas.

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Stephens County Well Flows At Rate of 95 Barrels an Hour

FORT WORTH, TEXAS, Oct. 31.—Flowing natural at the rate of 95 barrels per hour when first drilled into 35 feet of gray lime pay, the Humble Oil and Refining Company's No. B-2 J. K. Curry, located in the Curry-Aetna pool in Stephens County, furnished the largest producer that has been scored in the county in several months, and incidentally extended the proven area of the pool a short distance to the east. An important extension of the Eliasville pool in the northern part of the county was made to the west early this week when the Eliasville Pool Syndicate's No. 1 R. Douglas began flowing 20 barrels of oil per hour after drilling 20 feet in the lime pay. The performance of these two wells will result in several additional tests being drilled on nearby acreage.

Humble's producer is located in the northeast corner of a 101-acre lease in the east half of the southwest quarter of section 18, Lunatic Asylum Lands, about four miles southwest of Breckenridge, and has been completed good for 1900 barrels on a 24-hour test. It drilled into the lime at 3158 feet to 3193 feet.

The Eliasville Pool Syndicate's No. 1 R. Douglas was spudded in early last spring and has been shut down at intervals for various causes. The well is located in the west edge of the H. J. Cleveland Survey, north of the bend in the Clear Fork stream, and broadened the productive limits of the pool about half a mile to the west. The top of the lime pay was penetrated at 3265 feet to a depth of 20 feet. The Pennock Oil Company's No. 1 Jones has been completed with an initial production of 200 barrels after shot of 80 quarts from 3130 to 3165 feet.

The Pioneer district in the southwest corner of Eastland County registered a decline of 220 barrels in daily average pipe line runs and tank car shipments from the field during the week ending October 25. The field has 105 producing wells, which maintained a daily average of 5,760 barrels last week, or an average of about 55 barrels per well. This field still holds the honors of having the largest production per well than any other in the North and Central West Texas district, despite the fact that the output of the field has fallen off about 50 per cent in the past four months.

About one and one-half miles northeast of the producing limits of the Pioneer district, Humble Oil and Refining Company's No. 1 J. M. Dill is testing out a deeper producing horizon. This well is showing considerable oil after shot of 180 quarts from 3070 to 3140 feet, and is now cleaning out a bridge formed after the shot. The west limits of the field is also promised a slight extension by the Pennant Oil and Gas Company's No. 2 B. W. Webb (Albin), located in the E. H. Brooks Survey inside of the Callahan County line. This well is reported with about 1000 feet of oil in the hole after picking up the sandy-lime pay at 2465 feet and drilling in 15 feet.

CENTRAL WEST TEXAS FIELDS

CENTRAL WEST TEXAS PRODUCTION

Fort Worth, Texas, Oct. 30.—The daily average production of the various fields in Central West Texas for the past week is divided as follows:

STEPHENS COUNTY PRODUCTION

	Barrels
Mid-Kansas Oil & Gas Company	4,650
The Texas Company	4,250
Humble Oil & Refining Company	3,000
Gulf Prod. Company	2,625
Prairie Oil & Gas Company	2,415
Texas Pacific Coal & Oil Co.	1,610
Magnolia Petroleum Company	1,540
Fensland Oil Company	900
Sun Company	710
Sinclair Oil & Gas Company	390
Pierce Oil Corporation	200
Empire	135
Simms Oil Company	115
White Oil Corporation	55
Miscellaneous	13,230
Total	35,825
Last week	33,550

MISCELLANEOUS PRODUCTION

	Barrels
Strawn-Palo Pinto County	2,410
Moran-Shackleford County	1,400
Brown County	820
Corsicana	575
Mitchell County	190
Thrall	140
Coleman County	95

EASTLAND COUNTY PRODUCTION

Texas Pacific Coal & Oil Co.	1,425
Sinclair Oil & Gas Company	1,105
Prairie Oil & Gas Company	1,090
Gulf Production Company	810
The Texas Company	480
Magnolia Petroleum Company	480
Humble Oil & Refining Company	160
Sun Company	45
Mid-Kansas Oil & Gas Company	45
Simms Oil Company	35
Empire Gas & Fuel Company	25
Miscellaneous	6,525
Total	12,225
Last week	12,430

DESDEMONA AND PIONEER PRODUCTION

	Barrels
Magnolia Petroleum Company	1,085
Humble Oil & Refining Company	490
The Texas Company	285
Mid-Kansas Oil & Gas Company	295
Texas Pacific Coal & Oil Company	215
Prairie Oil & Gas Company	135
Sinclair Oil & Gas Company	80
Empire Gas & Fuel Co.	30
Sun Company	15
Miscellaneous	7,130
Total	9,760
Last week	9,760

*Includes Pioneer Production.

DESDEMONA DRILLING REPORT

Harrison et al's Tidwell 1, sd 2520 ft.

Hodnett et al's Allen 1, rig.

Kokomo Pet. Co.'s Comer 1, spudding.

Leon Valley Oil Co.'s Mrs. M. C. Haynes 2, sd to repair boiler 1415 ft.

Magnolia Pet. Co.'s N. E. Payne 1, dr 945 ft.

PIONEER DISTRICT PRODUCTION

Fort Worth, Texas, Oct. 30.—The daily average pipe line runs and tank car shipments of crude oil from the Pioneer field during the week ending October 25th were as follows:

	Barrels
McCamey, Sherrin, Dumas et al.	1,075
Pennant O. & G. Co. & T. B. Slick	715
Keough et al	670
Duquesne Oil Corporation	535
States Oil Corporation	390
T. B. Slick	345
Pennant Oil & Gas Company	265
Texas Pacific Coal & Oil Company	215
Rainbowend Oil Company	185
Junior Oil Company	180
The Texas Company	175
F. W. Stone & Company	145
Simms Oil Company	175
L. A. Knight et al	120
Cohen et al	85
C. O. Moore et al	75
Invincible Oil Corporation	70
Oriental Oil Company	55
W. T. Herrick et al	55
Owenwood Oil Corporation	35
Miscellaneous	195
Totals	5,760
Last week	5,980

EASTLAND COUNTY COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Drury Pet. Co. Pioneer Townsite Blk. "33" 4	100	2490
Gulf Prod. Co. E. P. Davenport 2	240	3220
Invincible Oil Corp. S. D. Nelson 3	100	2500
States Oil Corp. W. R. Smith 4	150	2500
McCamey, Sherrin & Dumas D. J. Armstrong 7	150	2500

STEPHENS COUNTY COMPLETIONS

Eliasville Pool Synd. R. Douglas 1	500	3285
Humble O. & R. Co.'s J. K. Curry B-2	1900	3195
Pennock Oil Co. Jones 1	200	3320
The Texas Co. J. W. Parks A-31	220	3320

KEY TO ABBREVIATIONS

Following is the explanation of abbreviations and signs used in drilling reports, completions, etc.: *—dry, abandoned well; ‡—salt water; †—junked and abandoned; ¶—million cubic feet of gas; abn—abandoned; bbls—barrels; b. s.—basic sediment; cas—casing; co—cleaning out; dk—derrick; dr—drilling; fsh—fishing; ft—feet; in—inches; lcn—location; m—milling; N. S. E. W.—North, South, East, West; r—reaming; sd—shut down; sdtr—sidetracking; sp—spudded; sr—side reaming; std—standardizing; sw—salt water; td—total depth; ur—under reaming; wo—workover; wosr—waiting on standard rig.

EASTLAND AND RANGER DRILLING REPORT

Associated Oil Co.'s L. C. Downtain 1, ur 2090 ft.

Barkley et al's Wright 3, sd 3635 ft; Wright 4, rig. George Beggs et al's H. L. Gibson 2, dr 1400 ft. Bettis & Anderson's G. W. Martin 1, sd for water 825 ft. Belport & Manly Interests' C. M. Vangeem 1, dr 1995 ft.

H. R. Courtwright et al's L. Kellett 1, dr 1945 ft. Car-De-Zone Oil Co.'s L. R. Hough 2, dr 2895 ft; Anges Harwood 1-A, dr 2640 ft; J. H. Latham 1, rigging up to pump after shot 3435 ft. Cardinal Oil Co.'s J. A. Brown 3, spudding. E. A. Clayton et al's C. B. Whitten 1-B, dr 2300 ft. Colquitt & Shinholt's C. L. Downtain 1, dr 1215 ft. G. G. Chastain et al's J. E. Nix 1, dr by casing 1195 ft.

Day & Davis' W. C. Kincaid 2, timbers. Drury Pet. Co.'s T. E. Luse 1, rig burned, td 2840 ft. Day & Everests' W. F. Davenport 1, fsh casing 3425 ft; A. F. Loftus 1, sd 410 ft. Daugherty & Clark's Jacob Lyerla 1, dr 690 ft. Duquesne Oil Corp.'s J. L. Johnson 1, rig.

Eastland Oil Co.'s G. W. Martin 4, sd 3160 ft; Martin 9, rig; Martin 11, sd 1200 ft. W. T. Eby Interests' Paul Chastain 1, sd 1910 ft.

Garrett & Smith's T. L. Overby 1, sd for second shot 3365 ft. Gordon Pet. Co.'s S. C. Bond 2, dr 1800 ft; J. W. Caudle 2, dr 2075 ft; Caudle 3, dr 1825 ft.

Hagaman et al's Hagaman 3, making 1,000,000 ft gas, dr 3130 ft. Jas. Haynes et al's C. B. Whitten 1, dr 1500 ft.

J. U. Johnson's J. C. Chandler 1, spudding.

S. J. Knepley et al's G. M. Kimbrough 1, dr 1935 ft.

Mook-Texas Oil Co.'s G. L. Garrett 1, dr 3330 ft. Miller Oil Co.'s Watson 1, sd 1580 ft. Mastex Oil Co.'s Hill 1, sd 3520 ft.

New Southern Oil Co.'s W. J. Baumgardner 3, fsh 3475 ft. Nixon Oil Co.'s C. T. Webb 1, testing casing 2260 ft.

Panhandle Ref. Co.'s C. O. Owens 1, dr 2780 ft; Owens 2, dr 1900 ft; Owens 3, dr 500 ft. Plateau Oil Co.'s C. O. Owens 2, fsh casing 3185 ft; Owens 3, rig.

C. M. Root's L. R. Hough 2, dr 1900 ft. Root Drilling Co.'s W. N. Seaborne 1, dr 600 ft. Root, Rhodes & Sykes' E. E. Cowan 1, dr 725 ft; M. Hill 1, rig; H. L. Gibson 4, rig.

States Oil Corp.'s Victoria Harbin 3, rig; G. W. Martin 4, sd 3235 ft; S. C. Bond 2, dr 2000 ft. Sinclair Oil & Gas Co.'s J. W. Davis 6, rig. Slay, Simon & Smith's G. W. Rose 1, sd 3495 ft. Marshall Spoonts' McCleskey 1, dr 2365 ft.

Texas-Iowa Oil Co.'s J. C. Laney 1, sd 2650 ft. Tex-Land Oil Co.'s C. U. Connellee 1, sd for casing 1880 ft. Texas Pacific Coal & Oil Co.'s W. T. Barker 4, dr 1160 ft.

Frank Vance et al's C. Owens 1, ur casing 2150 ft.

Westland Synd.'s J. R. Stubblefield 1, sd for water 2055 ft. Weatherall Prod. Co.'s Fulfer 1, sd 3300 ft; Fulfer 2, sd 185 ft.

PIONEER DISTRICT DRILLING REPORT

Atlantic Oil Prod. Co.'s Fields 6, co 855 ft. Alsworth et al's Ribble 1, rig abn.

A. D. Cockrell et al's Marshall 1, spudded and sd.

Davis et al's T'Site Blk. "26" 1, rig.

Texas Company to Drill In Live Oak County

Houston, Texas, Nov. 1.—The Texas Company, Houston, Texas, leased from George W. West, Live Oak County, 60,000 acres for $30,000 cash, October 28.

This lease was taken under a six months drilling obligation and the Texas Company is to put down one deep test of not less than 3,000 feet, but in case this company should drill for shallow production first, the deep test can be delayed for ten months from the date of the lease.

The contract provides for an owners 1/8 royalty of the oil and gas, but in case the company does not get production it is to pay $30,000 rental annually for the lease.

Davidor Dev. Co.'s Anderson 1, sd 955 ft. Dyer Bros.' E. M. Curry 1, rig abn.

W. T. Herrick et al's Kersh 2, lcn. Humble Oil & Ref. Co.'s Dill 1, showing oil and co bridge after shot 180 qts. from 3070 to 3140 ft; Day 1, fsh tools 955 ft.

Junior Oil Co.'s Shirley 1, fsh 200 ft.

L. A Knight et al's Irwin 2, dr 1940 ft.

Miller & Malloy's Plilier 1, rig. C. B. McBride et al's Brown 1, rigged up and sd; Maxwell 1, sd 1060 ft. Montgomery Bros. & Ray's Radford 1, pull big pipe 2355 ft. McCamey, Sherrin & Dumas' D. J. Armstrong 5, dr 2210 ft; Armstrong 6, timbers; Armstrong 8, lcn; Armstrong 10, dr 700 ft; Moore 3, dr 475 ft; Moore 6, dr 1910 ft; Brooks 2, rig; Johnson 1, sd 1135 ft. Forrest Miracle Oil Co.'s L. King 1, dr in pay 2455 ft; King 2, sd 965 ft.

Pacific Gulf Oil Co.'s Flippen 1, sd 615 ft. Pioneer Petroleum Co.'s Baird 1, sd 1715 ft; L. King 3, ur 1660 ft; King 4, dr in pay 2475 ft. Pittsburgh-Western Oil Co.'s Puett 3, rig abn. Pioneer Synd.'s Jacobs 1, dr in black lime 3070 ft. Pathfinder Oil Co.'s Mrs. Ora Moore 1, water trouble sd 2460 ft; Moore 3, bit in hole, sd 2210 ft. Pioneer Proven Oil Synd.'s Anderson 1, sd 2485 ft. Pioneer States Oil Co.'s Townsite Blk. "27" 1, sd for casing 2340 ft.

Revere Oil Co.'s Cunningham 1, run tubing after shot 2470 ft. Rainbowend Oil Co.'s Harris 2, swedging casing 1635 ft.

T. B. Slick's Sheppard 1, dr 2100 ft; Sheppard 2, set casing 2510 ft. States Oil Corp.'s Mrs. Ora G. Moore 3, dr 460 ft. Simms Oil Co.'s Mrs. Ora G. Moore 3, dr 1700 ft; Bonner 2, dr 1000 ft.

Texas Pacific Coal & Oil Co.'s Judge Scott 2, dr 1095 ft; Saucier 1, dr 1900 ft. The Texas Co.'s Cook 3, dr by tools 1355 ft; Cook 4, dr 1845 ft; Cook 5, spudding.

STEPHENS COUNTY DRILLING REPORT

(NOTE—This report does not include wells that have been shut down indefinitely.)

Buckeye Dev. Co.'s Walker 7, fsh casing 2250 ft. Benson Drilling Co.'s Thomas 2, spraying oil dr 3215 ft. Booles & Bartrug's W. W. Copeland 1, small showing oil and gas after shot 150 qts from 3250 to 3290 ft. Bateman & Scott's Jones 2, dr 2235 ft.

Coogan et al's Crowley 1, dr 1540 ft. Carter's Bruce 1, preparing to shoot 2195 ft.

Dawson & Davis Cougher 1, fsh collapsed casing 3590 ft. Drake Oil Synd.'s Drake 1, showing gas, sd for pipe line connections 3145 ft. Denson & Spurck's Black 1, dr 3415 ft. Dallas Stephens Oil Co.s Norton 1, dr 3510 ft.

Eliasville Pool Oil Synd.'s Douglas 1, making 3,000,000 ft gas dr 3275 ft.

Equity Pet. Corp.'s Brown 3, dr on new hole 175 ft.

Fred B. Foster & Co.'s Shipley C-1, ur 2290 ft. Fink & McFarland's R. O. Jackson 1, dr 2340 ft.

Hart Mexia Synd.'s Lee 1, dr 540 ft. Haile, Knight & Callahan's O. Curry 4, dr on new hole 200 ft. Haile & Knight's Shipley 2, dr 1860 ft. Humble Oil & Ref. Co.'s J. K. Curry B-3, sr 2615 ft; Mrs. J. B. Hart 5, co after shot 3295 ft; Hellenic Oil Co.'s Burgess 1, plugging to abn 2955 f t.

Kelly et al's Bruce 1, dr 3830 ft.

Livingston et al's Hodges 1, fsh casing 1930 ft. E. A. Landreth Co.'s Shipley 2, dr 1975 ft. Lee Oil Co.'s Walker & Caldwell 2, running tubing to pump 3210 ft.

Miller Bros.' W. T. Gurney 1, sd 3900 ft. Maryland Drilling Co.'s Akin 1, co 3340 ft. Mid-Kansas Oil & Gas Co.'s G. W. Hill (Acct. 1) 9,fsh casing 3895 ft; S. H. Hill 4, dr 2495 ft; Homer Lee 1, mudding casing 3330 ft. Magnolia Pet. Co.'s J. M. Rush 10, dr 2890 ft; Rush 11, dr 2535 ft; C. N. Guest 5, showing oil and gas dr 3395 ft.

Oregon-Texas Oil Co.'s Jones 1, sd after shot 3420 ft.

Nourse & Sweeney et al's C. J. Jones 1, sd for water 1070 ft.

Prairie Oil & Gas Co.'s T. L. Adams 1, swabbing 3 bbls oil 3800 ft. Pennock Oil Co.'s Moore 1, fsh casing 2510 ft. Petroleum Producers Assn.'s Corbett 1, dr 245 ft. Pender et al's Davis 1, spudding.

Roxana Pet. Corp.'s Corbett 1, plugging to abn 4270 ft. Revere Oil Co.'s Ackers 3, dr 2800 ft.

Snowden & McSweeney's Ackers (Acct. 1) 9, fsh bailer 3120 ft. Swensondale Oil Co.'s Swenson 23, ur 1740 ft.

The Texas Co.'s Day 11, flowing 25 bbls oil, dr 3180 ft; Fite 1, co 2600 ft; C. H. Houston 3, pull rods to dr deeper, td 2865 ft; W. M. Houston 3, dr 3300 ft; Womack 4, fsh casing 2195 ft; Lauderdale 9, showing oil and gas after shot 20 qts 2775 to 2785 ft. Tex-O-Wa Oil Synd.'s Lee 2, sd for water 1090 ft. Texas Pacific Coal & Oil Co.'s T. L. Adams 5, dr by tools 3610 ft; A. S. Veale 3, sd 3092 ft. Texas Consolidated Oil Co.'s Martin 3, run casing 3145 ft; Martin 4, sd for water 2715 ft.

KEY TO ABBREVIATIONS

Following is the explanation of abbreviations and signs used in drilling reports, completions, etc.: *—dry, abandoned well; ‡—salt water; †—junked and abandoned; ¶—million cubic feet of gas; abn—abandoned; bbls—barrels; b. s.—basic sediment; cas—casing; co—cleaning out; dk—derrick; dr—drilling; fsh—fishing; ft—feet; in—inches; lcn—location; m—milling; N. S. E. W.—North, South, East West; r—reaming; sd—shut down; sdtr—sidetracking; sp—spudded; sr—side reaming; std—standardizing; sw—salt water td—total depth; ur—under reaming; wo—workover; wosr—waiting on standard rig

Good Rains and Better Wells For Fields of North Texas

NORTH TEXAS FIELDS

NORTH TEXAS PRODUCTION

Wichita Falls, Texas, Oct. 30.—The daily average production of the various North Texas fields for the past week is divided as follows:

BURKBURNETT PRODUCTION

	Barrels
Magnolia Petroleum Company	3,270
Kansas & Gulf Company	1,800
Gulf Prod. Company	1,310
The Texas Company	1,300
Humble Oil & Refining Company	1,100
McMann Oil & Gas Company	775
Panhandle Refining Company	740
Texhoma Oil & Refining Company	530
Oklahoma Petroleum & Gasoline	520
Hobbs Oil Co. (Middle States)	485
Ryan Petroleum Corp.	445
American Refining Company	425
Skelly Oil Company	390
White Oil Corporation	90
Miscellaneous	14,135
Totals	27,315
Last week	26,975

ELECTRA PRODUCTION

The Texas Company	6,380
Magnolia Petroleum Company	4,550
Empire Gas & Fuel Company	3,150
Hobbs Oil Company	2,590
Gulf Production Company	1,080
Griswold Oil Company	770
Humble Oil & Refining Company	300
Fort Dearborn Oil Company	130
Panhandle Refining Company	85
Texhoma Oil & Refining Company	70
Miscellaneous	3,470
Totals	22,575
Last week	23,225

YOUNG COUNTY PRODUCTION

	Barrels
Roxana Petroleum Corporation	2,080
Ralco Oil Company	815
Cosden Oil & Gas Company	735
Penn Cities Oil Company	575
Tyrell Oil Corporation	415
Fred B. Foster & Company	385
Panhandle Refining Company	370
Mahlstedt Mook Oil Company	335
Seaboard Oil & Gas Company	315
Godley Oil Company	310
North American Oil & Ref. Co.	305
Conner et al	290
Sun Company	260
Eureka Producing Company	245
Oklahoma Pet. & Gasoline Co.	220
Mutual Oil Company	190
Westerfeldt & Noble	180
Simms Oil Company	190
Gulf Production Company	165
Nash & Windfohr Oil Company	155
Emerich Oil Company	150
Halmack Oil Company	130
Hemphill Interests	130
Betrand et al	125
Union Oil Co. of N. J.	125
Pomona Mutual Oil Company	115
Associated Oil Syndicate	115
Miscellaneous	1,325
Totals	10,975
Last Week	10,315

WICHITA FALLS, TEXAS, Oct. 31.—An increased amount of new production was added by all the fields in the North Texas district during the past seven day period, with several unusually good producers in the Electra and Young County fields. The entire district was covered by heavy rains early this week which will serve to check the drouth that has been responsible for drilling activity being reduced in some sections of the fields.

Discovery of a shallow producing horizon in the extreme north part of Young County about four miles below the Miller pool in Archer County by Monroe Production Company's wildcat test on the Graham P. Stewart lease attracted some attention during the past week. This test is located in the northwest corner of Section 1493, T. E. & L. Survey, about two miles northwest of the town of Farmer, and is reported to have shown good for 20 barrels from five feet of oil sand with a total depth of 830 feet. It is generally believed that production was obtained from the same pay as found in the Miller pool to the north in Archer County. The Miller pool is one of the oldest producing sections in Archer County, and has recently registered a marked increase in drilling activity.

The Bunger district in Young County furnished a string of good sized completions, with four gassers. The Fred B. Foster & Co.'s No. 1 G. F. Parsons, located near the town of Bunger, began flowing at the rate of 350 barrels natural when drilled only five feet into a lime formation picked up at 3915 feet. In the same territory, Colpenn Production Company's No. 1 J. L. Rhodes failed to flow after given a shot of 90 quarts from 3700 to 3745 feet. This well made one flow when first drilled in, and was standing with 2800 feet of oil in the hole when shot. The same interests' No. 2 Rhodes also made one flow early this week when drilled into a lime pay from 3775 to 3790 feet, but is now standing with 2,000 feet of oil in the hole. On the G. F. Parson's lease, Barnes Production Company's No. 1 well has been completed good for 13,000,000 cubic feet of dry gas from 2620 to 2625 feet, while the Union Oil Company of Nevada's No. 1 I. R. Grantham is reported making 9,000,000 cubic feet of gas with traces of oil from 3825 to 3850 ft.

In the east wing of the Bunger field, the C. R. Tyrell Oil Corporation's No. 3-A J. S. Williams showed an initial production of 350 barrels from 3020 to 3050 feet after shot of 60 quarts. Colcord et al's No. 2 J. Kisinger is reported making about 3,000,000 cubic feet of gas while drilling below 2525 feet. Penn Cities & McGarr's No. 2 Hughes-Herron is being drilled deeper while making 10,000,000 cubic feet of gas and spraying about 100 barrels of oil.

The South Electra field turned in two completions with a flush production of 400 barrels each during the past week, besides a number of fair sized pumpers. The two large producers were brought in by the Griswold Oil Company and the Gladiolus, or Wichita Petroleum Company on the Burnett-Lloyd tract. The Lewis Oil Corporation's No. 2 W. T. Waggoner in the Gibson Survey extended the 1500-foot sand fully 1,300 feet to the west early this week when it drilled into the pay from 1515 o 1520 feet. The possible production of this well has not been determined as some difficulty is being experienced in landing the casing. The Camp Oil & Gas Company's No. 1-B L. P. Douglas, which furnished a new producing horizon for the Douglas lease when five feet of sand was encountered at 1524 feet, was put on the beam early this week and tested good for 150 barrels daily. Texhoma's No. 7-A W. T. Waggoner in section 34 was swabbed early this week and showed an initial output of 250 barrels from 1627 to 1632 feet. This well is in the vicinity of the Petroleum Producers Company's No. 12 Waggoner, which was reported last week swabbing and flowing 410 barrels from 1615 to 1628 feet, but tested only 60 barrels daily early this week on the pump.

MISCELLANEOUS PRODUCTION

	Barrels
Holliday-Archer County	3,235
Kemp-Munger-Allen	1,690
Iowa Park	720
Petrolia	305

BURKBURNETT DRILLING REPORT

Burkburnett Deep Test Oil & Gas Co.'s J. R. Sullivan 1, dk. B. C. & S. Synd.'s Beach 2, dr 995 ft. Baldwin Bros.' Langford 3-B, rigging up rotary.

Camp Oil & Gas Co.'s A. F. Dodson 1, cemented casing 605 ft; Dodson 2, testing sand 1015 ft; Dodson 3, dr 350 ft.

H. D. Egger et al's Dutton 1, lcn.

Grayce Oil Co.'s Daniels 5, dr 265 ft.

L. P. (Pink) Hammond's Ferguson 2, rigged up and sd for water. Humble Oil & Ref. Co.'s Schultz 26, using electric power, fsh bailer 1660 ft. T. F. Hunter et al's J. Dodson 3, testing oil sand 1275 ft. Hickman, Heydrick & Ferguson's A. C. Friberg 1, lcn.

Jetter et al's E. M. Myers 4, rigging up. Judson Oil Co.'s Dodson 11, dk.

Kansas & Gulf Co.'s Schmisseur 6-A, sd 1725 ft.

Lanning & Mommnger's W. T. Cropper 13, sd for star machine 1265 ft.

Murchison & Pigg's Hirschi 2, sd 1155 ft. Magnolia Pet. Co.'s Anderson 13, dr 1680 ft; Anderson 14, dk; Staley-Dodson 9, lcn; Roller 40, dr 625 ft; Roller 41, lcn; Staley-Beach 38, lcn; Hugh Reilly 81, showing oil dr 620 ft; Reilly 82, 83 and 84, lcns; Franklin-Cropper 5, sd 1570 ft; Lawler 13, dr deeper 1955 ft. Massey et al's Ramming 1, cemented casing 1650 ft. McNeilly et al's Ramming 1, sd 920 ft.

Noble Oil & Gas Co.'s Woodall 1, dr 2495 ft.

Wm. Priddy's C. Birk 8, sd 1450 ft; Birk 9, sd 2455 ft. Progressive Oil Co.'s Roller 13, sd 1035 ft.

Sunshine State Oil & Ref. Co.'s Ramming 1, sd 1650 ft. Smith, Haines et al's L. F. Ramming 1, spudding.

The Texas Co.'s Evert 1, dr with cavey hole 1590 ft.

G. Clint Wood et al's J. E. Holley 1, dr 400 ft.

New Locations Almost Daily In Northern Archer County

WICHITA FALLS, TEXAS, Oct. 31. —Completions were reported from a number of the shallow producing areas in Northern Archer County during the past week, with two wells good for 100 barrels each in the Texhoma pool. The Ferguson pool also furnished two additional pumpers, but both were small wells. Trading has been more active in Archer County during the past three weeks than in any other section of the North Texas district, and new locations are being made daily for tests in the proven areas, as well as in the wildcat sections of the county.

The two producers added to the Texhoma pool were brought in by the Texhoma Oil and Refining Company on the S. M. Gose farm. No. 29 picked up the oil sand at 1571 feet and was drilled in six feet, while No. 30 Gose encountered the pay 15 feet deeper. Both wells swabbed about 100 barrels daily when tested. In the same pool, Maxon Oil Company's No. 2 W. H. Taylor is reported standing with 1000 feet of oil in the hole from a sand at 1602 to 1606 feet, and rigging up to pump.

In the Ferguson pool, Staley et al's No. 3 Kemp and Kempner pumped at the rate of 12 barrels daily from a sand drilled into at 568 to 575 feet. The same interests' first test on the W. P. Ferguson lease is estimated good for 10 barrels at 1463 feet. The discoverers of the pool—the Freeman and Hampton Syndicates' No. 1 B W. P. Ferguson, is reported to have drilled through a good oil sand from 569 to 573 feet to test for deeper and greater production. This well is now drilling below 1135 feet. A number of new derricks were erected in this pool during the past week, while an increase in the number of star machines was also noted.

The Ferguson pool has 11 pumping and flowing wells, according to a check made on the field early this week, and production is being obtained from four distinct producing horizons. The following table shows the present production of completions to date in the Ferguson pool proper:

Name of Company and Farm—	Pay Sand	Present Prod.
Dillday & Knight, 1 W. P. Ferguson	1578-1584	90 flow and swab
Freeman & Hampton Syndicate, 1 W. P. Ferguson	1440-1443	25
Freeman & Hampton Syndicate, 2 W. P. Ferguson	1438-1445	15
Freeman & Hampton Syndicate, 3 W. P. Ferguson	1440-1461	20
Staley et al, 1 Kemp & Kempner	1438-1442	12
Staley et al, 2 Kemp & Kempner	569- 573	5
Staley et al, 3 Kemp & Kempner	568- 574	12
Staley et al, 1 W. P. Ferguson	1450-1463	10
Sunshine State Oil & Ref. Co., 1 W. P. Ferguson	1439-1443	30
Sunshine State Oil & Ref. Co., 2 W. P. Ferguson	1444-1460	12
White Oil Corporation, 1 Kemp & Kempner	1724-1729	165 flowing

YOUNG COUNTY COMPLETIONS

Company, well, location	Initial Production Bbls.	Depth
Barnes Production Co.'s Parsons 1	¶13	2625
Brahaney Bros.' I. R. Grantham 1	*	4235
Gulf Production Co.'s Grantham 1	¶15-150	3940
Gulf Production Co.'s J. M. Askew 2	50	3820
Penn Cities Oil Co.'s F. Herron 3-A	30	3150
C. R. Tyrell Oil Corp.'s J. S. Williams 3-A	350	3050
Union Oil Co.'s I. R. Grantham 1	¶10	3950
Julian et al's G. F. Parsons 1	¶15	2625
Nash & Windfohr's R. M. Williams 3	125	2570

ELECTRA COMPLETIONS

Carter & Fine's J. H. Fisher 1	150	1586
Griswold Oil Co.'s S. B. Burnett 30	50	1955
Griswold Oil Co.'s S. B. Burnett 13-B	400	1939
Gulf Production Co.'s L. P. Douglass 4-B	125	1951
Chas. Pettit's Fee 2	*	2204
Wichita Petroleum Co.'s S. B. Burnett 75	400	1947

K-M-A & IOWA PARK COMPLETIONS

Burns & Gates' J. E. Roller 1	*	1316
Texhoma Oil & Ref. Co.'s H. Munger 7	25	1630
Dr. C. W. Wallace's Ferguson 2	15	1500
K-M-A Oil Co.'s H. Munger 17	*	2060

ARCHER COUNTY COMPLETIONS

Company, well, location	Initial Production bbls.	Depth
Darr et al's E. N. Birdwell 2	†	1762
Texhoma Oil & Ref. Co.'s S. M. Gose 29	50	1580
Texhoma Oil & Ref. Co.'s S. M. Gose 30	80	1590
Henshaw et al's T. Mankins 1	25	666
Hackman & Sanderson's McCall & Sanderson 2	†	575
J. I. Staley's W. P. Ferguson 1	10	1463
J. I. Staley's Kemp & Kempner 3	12	574

BURKBURNETT COMPLETIONS

Grayce Oil Co. Daniels 3	20	1285
Daniels 4	†	1130
T. F. Hunter et al J. Dodson 2	40	1295
Lanning et al W. T. Cropper 12	65	1275
Magnolia Pet. Co. N. H. Martin 10, (dd)	70	1830
Cropper-Franklin 5	*	1575

YOUNG COUNTY DRILLING REPORT

Andrede et al's W. W. Storm 1, sd 1450 ft. Associated Oil Synd's F. Herron 4, dr 2550 ft; and F. Herron 5, dr 330 ft.

J. V. Bailey's Costello Bros 1, dr 410 ft. Bertrand et al's Whittenburg 3, dr 2400 ft; Whittenburg 4, dk; and Wergess 1, sd 3040 ft. Buchanon et al's Whittenburg 1, plugging back, td 3850 ft. Burton et al's J. J. Fawks 1, mudding off 10,000,000 cu ft gas, td 2320 ft. H. Byrens Mahoney 1, fsh 3935 ft.

Cline Oil Corp's Costello Bros 1, preparing to shoot 1830 ft. Ray Colcord et al's J. Kisinger 2, dr 2515 ft, making 5,000,000 cu ft gas. Colpenn Prod. Co.'s J. L. Rhodes 1, showing oil dr 3742 ft, and Rhodes 2, dr 3750 ft.

Detroit-Mexia Oil Co.'s J. T. Cotton 1, sd 4080 ft. Duquesne Oil Corp.'s R. M. Williams 1, dr 2520 ft. Dyer et al's Whittenburg 2, dk.

Elk Basin Consolidated Pet. Co.'s J. A. Driver 11, fsh 1700 ft.

Fred B. Foster & Co.'s L. L. Durham 1, co after shot 3660 ft; G. F. Parsons 1, dr 3500 ft; Whittenburg 1, dr 2250 ft. Fultz & Allbright's T. Carter 1, dr 524 ft.

Gulf Production Co.'s Carmack 3, fsh 300 ft.

J. A. Julian et al's I. R. Grantham 1, sd 4035 ft.

Leader Oil Co.'s M. R. Jarnagin 1, sd 3520 ft. Lewis et al's C. Grantham 1, dk.

McKinzie Oil Co.'s T. C. Greenwade 1, sd 3995 ft. Mahlstedt Mook Oil Co.'s R. M. Williams 4-A, dr 2250 ft. Mexia Star Oil Synd.'s N. B. Carter 1, sd 200 ft. Monroe Oil Co.'s Mary Cox 1, sd 3400 ft; Jefferies 1, fsh 4115 ft; G. F. Parsons 1, sd 2815 ft; and G. Stewart 1, dr 764 ft.

Nash & Windfohr's R. M. Williams 2, fsh 2700 ft. North American Ref. Co.'s B. F. Scott 10, water trouble 2210 ft; and W. M. McCow 1, fsh 2880 ft.

O'Tex Oil Co.'s G. F. Parsons 1, dr 3860 ft.

Paragon Oil Synd.'s D. G. Vick, 1, dr 3605 ft. Penn Cities Oil Co.'s Herron 1-D, dk; and Herron 2-D, sd 2600 ft. Pitzer & West's Costello Bros 1, dr 3544 ft.

Ralco Oil Co.'s Roark 3, dk; Driver 9, dr 820 ft. Revere Oil Co.'s Costello Bros 1, dr 4375 ft; Costello Bros 2, sd 2780 ft. Roxana Pet. Corp.'s W. C. Bunger 1, dr 3660 ft.

Schimmell et al's J. L. Bratcher 1, sd 1310 ft. Shamrock Oil Co.'s J. A. Driver 1, dr 3880 ft. Simms Oil Co.'s A. L. Lynn 2, sd 4200 ft. Sinclair Oil & Gas Co.'s J. Kisinger 2, dr 750 ft. Snowden & McSweeney's J. J. Shirley 1, fsh 3870 ft. Southland Oil Co.'s J. Hughes 1, dr 3800 ft; F. Herron 1, dk. Standard Petroleum Co.'s McBrayer 1, fsh 3770 ft. Sun Co.'s C. E. Ferguson 1, dr 2600 ft.

S. J. Taylor's Costello Bros 1, dr 75 ft. Tex-Northwestern Oil Co.'s Wilson-Copeland 1, sd 2100 ft. The Texas Co.'s J. Jones 2, dr 3732 ft; Jones 3, co 2800 ft; Jones 4, fsh 2070 ft. Tex-Bunger Oil & Ref. Co.'s O. A. McBrayer 1, sd 330 ft. Tuloma Oil Co.'s A. M. Graham 1, sd 4275 ft. C. R. Tyrell Oil Corp.'s Williams 4-A, rigged up; Williams 6-A, dk; Williams 1-A-Twin, dr 545 ft; J. A. McLaren 1, dr 1230 ft; and River Bed 1-C, dk.

Union Oil Co's J. M. Askew 2, preparing to shoot 3800 ft; G. F. Parsons 2, sd 75 ft.

Wells & Spelling's F. Herron 2, sd 1950 ft; H. P. Young 1, sd 85 ft. Whitehead et al's F. Herron 1, sd 800 ft; Herron 2, preparing to pump 3030 ft. Whitehead & Hinson's J. A. McLaren 2, dk 1160 ft. Whitehead & Tidewell's F. Herron 1, lcn.

William Paul Gage, president of the Humphrey Pure Oil Pipe Line Company, Dallas, Texas, stopped in Houston for several days this week on his return from Port Arthur where the company's refinery is located.

ELECTRA DRILLING REPORT.

Associated Oil Co.'s S. B. Burnett 1, sd 900 ft; Burnett 3, dr 475 ft.

M. J. Bashara's G. B. Ancell 1, sd 2270 ft. Boroff & Heydrick's M. A. Barwise 1, dr 950 ft. Bridwell & Heydrick's W. T. Waggoner 18, dr 1445 ft. Buffalo Southwestern Oil Co.'s L. P. Douglass 2, fsh 1915 ft.

Camp Oil & Gas Co.'s Douglass 3-A, dr 1015 ft; Douglass 1-B, preparing to pump 1530 ft; Douglass 2-B, dr 950 ft; H. A. Overall 10, fsh 300 ft. Carter & Fine's J. H. Fisher 2, dr 1310 ft. Clover Oil Co.'s W. T. Waggoner 5, dr 700 ft. Creighton Oil Co.'s Banta-Chilton 1, rigging up. Culverson et al's J. & J Waggoner 12, dr 1980 ft.

Davenport & Morgan's J. A. Fisher 1, dk over old hole 815 ft.

Empire Gas & Fuel Co.'s S. B. Burnett 32, dk; Burnett 56, dr 1810 ft; Burnett 57, std 1905 ft; Burnett 60, std 1930 ft; Burnett 62, dr 1640 ft; Burnett 68, dr 1440 ft; Burnett 75, dk; Waggoner 8-A, dk.

Fisher & Gilliland's J. A. Fisher 4 dr 660 ft. Fred B. Foster & Co.'s Throckmorton 1, sd 1820 ft.

Gillispie et al's W. T. Waggoner 1, dr 1925 ft. Green & Dale's Beaver-Electra 5, co 1930 ft; Beaver-Electra 6, dr 1260 ft; Beaver-Electra 7, testing 1642 ft. Griswold Oil Co.'s Burnett 8, dr 1210 ft; Burnett 31, set cas 1970 ft; Burnett 32, dr 1010 ft; Burnett 33, dr 1095 ft; Burnett 34, dk; Burnett 14-B, dr 1695 ft; Burnett 15-B, dr 1550 ft. Gulf Production Co.'s G. Jennings 6-A, dr 1330 ft; Douglass 5-B, dr 340 ft; Douglass 6-B, rigging up; J. D. Melton 5, dr 1405 ft; Forbes-Burnett 11, dk.

L. P. Hammond's Mrs. C. Jennings 1, dk. Harrell et al's Mrs. G. Jennings 3, testing 1475 ft. Hartford Trust Co.'s S. B. Burnett 7, dr 65 ft. Hochaday & Shaw's W. T. Waggoner 3-B, dr 1515 ft. Houston Oil Co.'s W. T. Waggoner 5, dr 1625 ft. Joe Howell et al's J. & J. Waggoner 1, dr 1945 ft. Humble Oil & Refining Co.'s L. P. Douglass 3, dr 1520 ft; Douglass 4, rigging up; W. T. Waggoner 4,A, dk; Waggoner 5-B, dr 1275 ft.

Kimble et al's L. P. Douglass 1, sd 710 ft. Kruger et al's Waggoner 3, moving in Star machine 1605 ft.

Lewis Oil Corp.'s W. T. Waggoner 2, set cas 1525 ft.

McDaniel et al's L. P. Douglass 3, dr 1590 ft. McKenna & Moore's W. T. Waggoner 3, sd 970 ft; Waggoner 4, sd 225 ft; Waggoner 5, rigging up; Waggoner 6, dr 100 ft. Magnolia Petroleum Co.'s J. C. Duke 7-A, dr 1410 ft; L. P. Douglass 1, dr 1500 ft; G. B. Ancell 1, dr 1100 ft; H&TC 56, dr 2245 ft; H&TC 58, dr 1380 ft; Waggoner 11, moving in Star 1570 ft; Waggoner 12, dr 200 ft; Waggoner 13, lcn; Waggoner 14, lcn; Waggoner 15, dk. Mutual Oil Co.'s S. B. Burnett 1, sd 1665 ft.

H. J. Newman's J. M. Smythe 1, rigged up. Noel et al's Waggoner 1, sd 640 ft.

J. O'Neil's Waggoner 2, sd 800 ft; Waggoner 6, dr 1875 ft; and Waggoner 7, dk.

Pathfinder Synd.'s S. B. Burnett 7, sd 1400 ft; Waggoner 11, sd 100 ft. Petroleum Producers Co.'s W. T. Waggoner 1, dr 675 ft. Prince Bros.' A. C. Henson 1, dr 1850 ft.

R. W. Ramming's J. A. Fisher 1, dr 15 ft. Rio Bravo Oil Co.'s W. T. Waggoner 10-E, plugging back 1935 ft; Waggoner 11-E, dr 760 ft; Waggoner 7-A, dk. A. D. Robinson's G. P. Mitcham 1, rigged up. Rotary Drilling Co.'s Allingham 1, co 1930 ft; S. B. Burnett 1, sd 400 ft. Ryan Petroleum Co.'s G. E. Nance 9, dr 2090 ft.

Shamrock Oil Co.'s W. T. Waggoner 8, sd 1530 ft; Waggoner 9, dr 1530 ft; and Waggoner 10, dk. Simms Oil Co.'s S. B. Burnett 10, dr 325 ft. Sooner Oil Assn's T. W. Roberts 1, sd 925 ft.

Texana Pet. Co.'s J. & J. Waggoner 3, sd 1500 ft; Waggoner 4, preparing to pump 1515 ft. Texhoma Oil & Ref. Co.'s W. T. Waggoner 7-A, dr 1530 ft; Waggoner 8-A, dr 1100 ft; Waggoner 9-A, dr 800 ft. Texland Oil Co.'s J. & J. Waggoner 2, dr 1860 ft. The Texas Co.'s W. T. Waggoner 221, dr 820 ft; Waggoner 241, dr 1142 ft; Waggoner 242, dr 1942 ft; and Waggoner 243, dr 35 ft; Waggoner 244, dk; Waggoner 245, building dk. Thomason & Mallory's S. B. Burnett 8, dr 1315 ft.

United Prod. Co.'s Mrs. G. Jennings 2, dr 1540 ft.

Wichita Petroleum Co.'s S. B. Burnett 66, dk; Burnett 77, sd 400 ft.

K-M-A & IOWA PARK DRILLING REPORT

Roy Carter et al's B. Parker 1, dr 1240 ft.

Holbrook & Wood's B. Parker 2, dr 1300 ft.

Kellogg Oil Co.'s J. A. Watkins 1, showing oil from 1203 to 1210 ft, dr 1225 ft. K-M-A Oil Co.'s H. Munger 18, dk.

Minn-Tex Oil Co.'s J. E. Roller 1, lcn; Roller 2, dr 765 ft.

Steelsmith & Orth's B. Parker 2, dr 660 ft.

Tex-O-Kan Oil Co.'s J. A. Kemp 2, dr 1150 ft. The Texas Co.'s E. Evert 1, dr 1600 ft.

ARCHER COUNTY DRILLING REPORT.

Alfalfa Oil Co.'s L. C. Herron 1, set liner 922 ft.

W. H. Barton & Co.'s S. M. Gose 3, dr 1500 ft. Burton & Ruff's L. F. Wilson 1, dk.

W. C. Champion et al's W. P. Ferguson 1, rigging up.

Dalmar Oil Co.'s C. Plowman 4, rigged up. Dee & Bellport's S. M. Cowan 1, sd 3010 ft. Dillday & Knights' W. P. Ferguson 2, dr 500 ft.

Electra-Gulf Oil & Gas Co.'s W. P. Ferguson 1, rigging up. E. Evert's Veith 1, dr 1608 ft.

F. & H. Synd.'s W. P. Ferguson 4, dk; Ferguson 1-B, showed oil from 569 to 573 ft, dr 1248 ft.

Harper & Jones's W. H. Taylor 4, rigging up. Henshaw et al's T. Makins 2, dr 330 ft; G. Hudspeth 1, dr 315 ft. Humble Oil & Ref. Co.'s K. & Kemper 1, dr 1000 ft. Hackman & Sanderson's McCall & Sanderson 3, pumping 1 bbl oil after shot dynamite 168 to 172 ft.

K. D. Oil Co.'s W. P. Ferguson 1, sd 55 ft. Kentucky Oil Assn's J. R. Parkey 1, rigging up; Taylor 1-A, waiting on Star machine, td 1635 ft.

Lanning, Moninger et al's T. Wilson 1, dk. Lipe et al's W. L. Andrews 2, dr 900 ft. Looney & Loper's L. F. Wilson 1, testing 1275 ft.

Maxon Oil Co.'s W. H. Taylor 2, 1000 ft oil in hole testing 1604 ft. Morrison et al's Coleman 1, tested 3 bbls from 1273 to 1280, dr 1285 ft.

Plate et al's R. E. Farmer 1, sd 1570 ft. J. J. Perkins' T. B. Wilson 1, dk.

B. J. Shaw et al's W. P. Ferguson 1, lcn. Scott-Bower's W. P. Ferguson 1, dk. Smith et al's G. T. Netherton 1, sd 790 ft. J. I. Staley's Kemp & Kempner 3, lcn; K. & Kempner 4, dr 200 ft; K. & Kempner 5, dr 550 ft; K. & Kempner 6, dr 100 ft; W. P. Ferguson 2, dr 330 ft. Sunshine State Oil & Ref. Co.'s W. P. Ferguson 3, dr 1454 ft. Swastika Oil Co.'s J. T. Richardson 1, fsh 1760 ft.

The Texas Co.'s W. Beck 10, testing 1608 ft; Beck 11, dr 1524 ft; Beck 12, lcn. Texhoma Oil & Ref. Co.'s S. M. Gose 28, sd 1598 ft; S. M. Gose 31 and 32, lcns; J. J. Perkins 1, dr 1510 ft.

White Oil Corp.'s K. & Kempner 2, dr 650 ft.

North Texas Wildcats

COMPLETION

Company, Well, Location	Initial Production bbls.	Depth
Grayson County—		
Zee Tex Oil & Dev. Co.'s G. W. Cannon	*	1950

DRILLING REPORT

Note—The drilling report below does not show wells that are shut down indefinitely.

CLAY COUNTY—Barker & Shelby's J. N. Craig 1, sd 715 ft. Clark & Cowden's J. F. Turner 1, rigging up. Dean & Morris' E. F. Davidson 1, dr 660 ft. Gulf Prod. Co.'s C. M. Worsham 1, dr 1930 ft. Nebraska Oil & Gas Co.'s W. H. Myers 1, set cas 2650 ft. Lone Star Gas Co.'s Stine 15, dr 1715 ft; Edrington 3-A, dr 2410 ft; Miller 9, dk. Riddle et al's W. J. Hawthorne 1, dr 1250 ft. Scaling Oil Corp's Geo. Scaling 1, sd 980 ft. Stover & Shira's J. H. Spavey 1, sd 660 ft. Talbot et al's Burrus 1, dr 1400 ft. The Texas Co.'s Byers 45, dr 1915 ft; N. H. Martin 6, dr 1658 ft.

COOKE COUNTY — Big Indian Oil Co.'s B. W. Davis 1, fsh 290 ft. J. W. Donehoo's B. Gunter 1, dr 1275 ft. Red River Drlg. Co.'s Whaley-Jones 1, sd 990 ft.

DENTON COUNTY — Gen. E. Lee Synd.'s J. N. Lee 1, dr 2100 ft. Hill Crest Oil & Dev. Co.'s J. N. Rayzor 1, dr 850 ft.

GRAYSON COUNTY — Revere Oil Co.'s Exstein 1, sd 2390 ft. Zee Tex Oil & Dev. Co.'s Griffin 1, set cas 500 ft.

KNOX COUNTY — Brazos Bend Oil Co.'s J. E. Clark 1, dr 1000 ft.

MONTAGUE COUNTY— Bowie Chief Oil Co.'s C. H. Boedeker 1, sd 1765 ft. Boyd Drilling Co.'s Dr. Potter 1, dr 1810 ft. S. L. Fowler et al's S. L. Fowler Ranch 1, showing gas at 2110 ft, dr 2150 ft. Petroleum Producers Co.'s J. W. Maddox 1, shut in gas well 844 ft, tested 30,000,000 cu ft gas. Raymond Oil & Dev. Co.'s Summerour 1, sd 1800 ft. The Texas Co.'s J. E. Lemons 1, sr 845 ft.

WILBARGER COUNTY—Aurora Oil & Gas Co.'s F. Ogleby 1, sd 2400 ft. Davis & Wood's M. C. Rogers 1, dr 600 ft. Number Nine Oil Co.'s W. T. Waggoner 1, dr 1475 ft; Waggoner 2, sd 525 ft; Waggoner 3, rigged up; Waggoner 4, dk. Tex-Wyoming Oil Co.'s C. Zipperly 1, set cas 2000 ft. Zacaquiesta Oil Co.'s A. B. Wharton 1, sd 2250 ft.

WISE COUNTY — Booneville Oil & Gas Co.'s J. O. Castleberry 1, dr 110 ft. Fleckenger et al's Whatley 1, sd 3858 ft. Herbert Oil & Gas Co.'s R. B. Banks 1, sd 300 ft. Michigan Oil & Gas Co.'s Young 1, sd 1750 ft. Scott & Hunter's Askey 1, dr 100 ft.

MEXIA PRODUCTION

Mexia, Texas, Oct. 30.—The daily average production of the Mexia field for the past week was divided about as follows:

	Barrels
Humphreys	25,340
Humble Oil & Ref. Co.	5,400
Gulf Prod. Co.	4,760
Magnolia Pet. Co.	3,475
Simms Oil Co.	3,290
Western Oil Fields Corp.	2,810
H. J. Parker et al	2,730
Atlantic Oil Co.	2,635
J. K. Hughes	2,475
Danciger Oil Co.	1,475
Kirby Pet. Co.	815
Wichita Pet. Co.	435
Miscellaneous	7,060
Total	62,700
Last week	63,375

CURRIE PRODUCTION

Mexia, Texas, Oct. 30.—The daily average production of the Currie field for the past week is divided about as follows:

	Barrels
Newblock Oil Co.	2,490
Humphreys	2,200
Snowden & McSweeney	1,410
Trapshooters Oil Co.	1,025
Brothers Oil Co.	925
Homaokla Oil Co.	745
J. K. Hughes	390
Gulf Production Co.	115
Cosden Oil & Gas Co.	110
Total	9,410
Last week	8,930

MEXIA COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Freestone County—		
Texas Co. Evans 1,	60	2960
Navarro County—		
Humble O. & R. Co.'s West 1	15	2970
Humphrey Texas Co. Mattie Bounds 7	210	2945
Newblock Oil Co. Mattie Bounds 5	1400	2965

MEXIA DRILLING REPORT

Humphrey Oil Co.'s Berthelson 36-W, co at 3700 ft, td 4620 ft; Dorsett 1, co 3100 ft; Henry 4, dk; Henry 6, lcn; Henry 11, sd for cement to set 3030 ft; Henry 12, co 3110 ft; Mills 3, fsh 3095 ft; Pittman 2, dr 3110 ft; Robertson 1, dr 3950 ft; Wilson 2, ur 3115 ft.

Kirby Pet. Co.'s Freeman 7-A, fsh 2945 ft.

Magnolia Pet. Co.'s Thompson 12-B, sd 2960 ft. Mexia Fish Pond Synd.'s Holton 1, sd 3180 ft.

J. K. V. Shaffer et al's Roller 1, sd 2365 ft.

Texas Co.'s Stroud 2, sd 3380 ft.

Atlantic Oil & Prod. Co.'s Gunther 1, dr 3685 ft; Norris 1, dr 3185 ft.

Battersby & Kyzer's Herring 1, dr 1960 ft.

Chappell et al's Kirby 1, sd 3135 ft.

Dallas Mexia Co.'s Allen 1, sd 670 ft. Danciger Oil & Prod. Co.'s Cook 1, dk. Daturna Oil Synd.'s Askew 1, sd 3145 ft.

KOSSE CRUDE ANALYSIS

Following is the analysis of the Kosse crude as made by the Bureau of Mines, the sample coming from a well at a depth of 3750 feet:

Specific gravity, 0.866
A. P. I. gravity, 31.9
Per cent sulphur, 0.30
Per cent water, nil
Saybolt Universal viscosity at 70° F., 363 seconds
Saybolt Universal viscosity at 100° F., 92 seconds
Pour test, 45°F.
Carbon residue of residuum 6.8%

	Per Cent	A.P.I. Gravity
Gasoline and naphtha	5.0	49.5
Kerosene	9.7	41.1
Gas Oil	26.2	36.4
Light lubricating distillate	18.2	34.4 to 30.4
Medium lubricating distillate	6.8	30.4 to 28.6

Dodwell et al's Champion 1, fsh 2615 ft. Grogas et al's Gordan 1, co and fsh 3070 ft.

Iron Clad Oil Synd.'s Gill 1, tools stuck in casing 3220 ft.

Mexia Red Seal Synd.'s Cook 1, sd 3475 ft. Mexia Simmons Oil Synd.'s Simms 1, sd 3225 ft. Mexia Wonder Pool's Whitcomb 1, sd 2135 ft.

Humphreys Oil Co.'s Welch 2, fsh 170 ft.

Morley & Morley's Head 1, sd 1045 ft.

ANALYSES OF TEXAS CRUDES

The Bureau of Mines has just completed the analysis of two samples of Texas crude oils; one from the Richland, and one from the Currie field. The most important details of the analysis are as follows:

	Richland	Currie
Depth	2980 ft	2949-2994 ft.
Specific Grav.	0.822	0.802
A. P. I. Grav.	40.6°	44.9°
Per cent Sulphur	0.26	0.17
Per cent water	0.1	Nil
Saybolt Univ. Visc. at 70° F.	42 sec.	38 sec.
Saybolt Univ. Visc. at 100° F.	39 sec	35 sec.
Pour Test	Below 5° F.	Below 5° F.
Carbon residue of residuum	10.2%	7.4%

These oils are particularly interesting because of the very light gravities of the crudes and the products obtained from them. The Currie oil contains a very large amount of kerosene of very light gravity. While these crude oils may be satisfactory for the manufacture of gasoline, kerosene and light lubricants, the carbon residues are rather high and it is doubtful whether they would be particularly satisfactory for the preparation of cylinder stocks.

Perry & Trustee's Bounds 1, fsh 2930 ft; Bounds 2, sd 2720 ft.

J. B. Shummell's Jones 1, sd to std 3885 ft. Frank Smith et al's Arnett 1, sd 300 ft; Smith 1, sd 195 ft.

Texas Cent. Oil Synd.'s Cook 1, sd 3075 ft. Texas Mexia Synd.'s Matgsiak 1, sd 3250 ft. T. & P. Coal & Oil Co.'s Browder 1, hauling out casing 3060 ft.

Big Williams Oil Co.'s Lewis 1, dr 3125 ft.

Yoder et al's Oliver 1, sd 2200 ft; Priddy 1, sd 2880 ft.

Freestone County

Abernathy's Gillam 1, fsh 4700 ft.

Bentley & Malone's Gilpin 1, sd 730 ft. Dugges & Glazier, sd 995 ft.

Mexia Teague Oil & Gas Co.'s Teague Townsite 1, sd 2095 ft.

Mike Healy Pool's Daniels 1, sd 4395 ft. O. K. Oil & Gas Co.'s Knight 1, sd 3695 ft.

F. E. Pope et al's Smith 1, sd 3645 ft. Smith & Swift's Bounds 1, coreing ahead 3090 ft.

The Thad McLain Co.'s Green 1, sd 2145 ft.

Trapshooter Riley Oil Co.'s Couch 1, sd 3190 ft.

Navarro County

Atlantic Oil & Prod. Co.'s Church Lot 1, pulling tubing 2960 ft.

Baker et al's Davis 1, dr 2670 ft. Bert & Bert's Hamilton 1, fsh 3935 ft. Brothers Oil Co.'s Bounds 2, lcn abn; Bounds 4, working over at 2955 ft; Bounds 5, swabbing 2950 ft; T. W. Bounds 2, sd for cement to set 2885 ft.

Columbia Company's Lawrence 1, sd 1500 ft; Wilkes 1, dk. Compass Oil Co.'s County Farm 1, dr 3175 ft. Corsicana Deep Well Co.'s Burk 1, dr 2570 ft. Cor-Tex Oil Co.'s Gray 1, sd 4140 ft.

Duncan & Johnson's McEntire 1, rigged up and sd.

Erwin et al's Ralson 1, sd 3135 ft.

F. F. F. Oil Co.'s Moody 1, sd 2975 ft. Gilbert & Hunter et al's McCline 1, sd 3030 ft. Gulf Prod. Co.'s R. V. Bounds 2, to test 2940 ft; C. S. West Estate 1, ur 2980 ft.

Houston Oil Co.'s Bounds 1, plugging back to 3220 ft, td 3230 ft. Hughes & Harmon's Griffin 1, sd 835 ft. J. K. Hughes Dev. Co.'s C. S. West Estate 1, sd for cement to set 2935 ft. Humphrey Texas Co.'s Mattie Bounds 5, small pumper 2950 ft; Mattie Bounds 6, sd for cement to set 2890 ft; Singleton 1, fsh 3575 ft.

March Oil Co.'s C. S. West Estate 1, sd 2255 ft.

Gilbert S. Johnson's Albritton 1, sd 3185 ft.

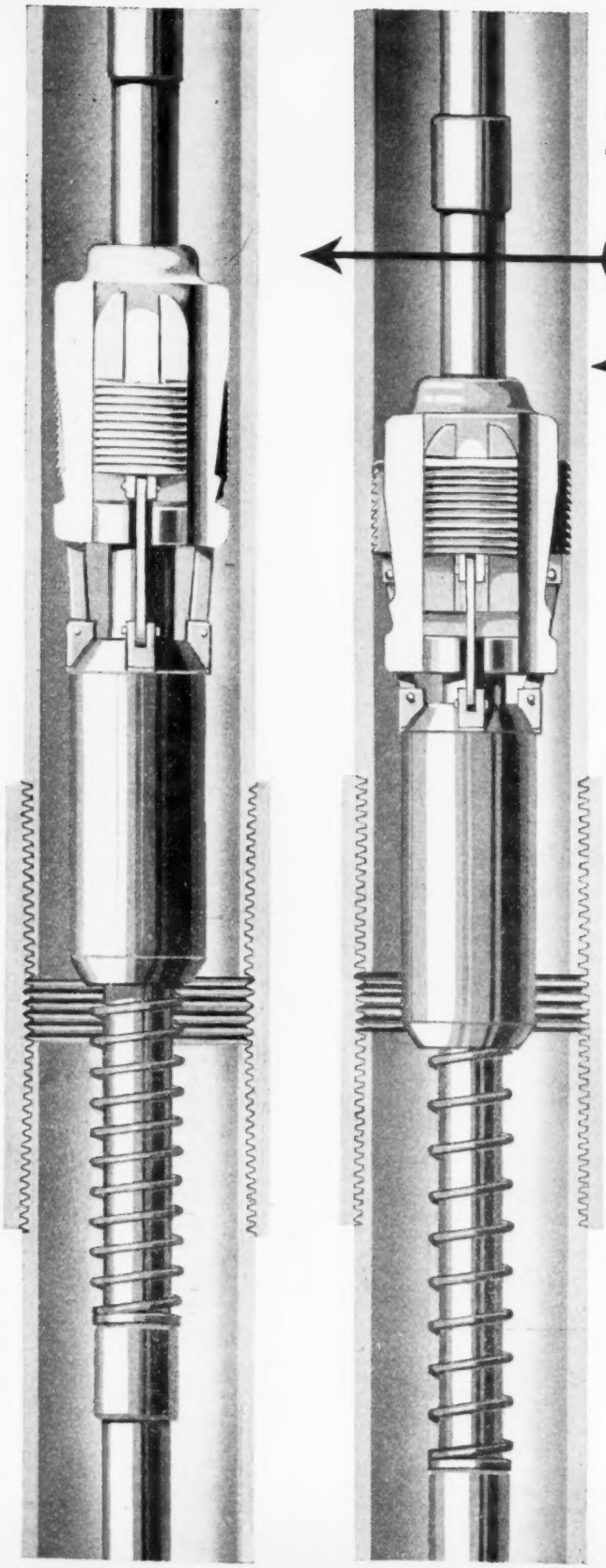
McCormack Mexia Synd.'s Swink 1, sd 2500 ft. Mexia Wortham Equit. Synd.'s Fortson Bros. 1, dk.

Newblock Oil Co.'s M. Bounds 4, lcn; M. Bounds 6, lcn; M. Bounds 7, lcn.

Panhandle Oil & Ref. Co.'s West 2, 15,000,000 ft gas and 300 bbls of oil, sd 2965 ft.

Ranger Vindicator Oil Dev. Co.'s Thornton 1, sd for water 3300 ft. Revere Oil Co.'s Ferrell 1, sd 2195 ft.

Seay & Cranfill's Hardy 1, dr 3010 ft. West 2-A, sd for cement to set 2945 ft. West 3-A, dr 2460 ft. Snowden & Mc



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2. Tubing Stops!

All within ONE SECOND of time, and within FOUR INCHES of space

Running in, pulling out, or suspended—the tubing CANNOT DROP when equipped with a Guiberson-Richard Tubing Catcher. Inserted near the bottom of string, it protects the tubing from the time the catcher enters the casing at top of well.

Over 16,000 have been sold in the 8 years since its invention, because users have found it absolutely dependable.

It hangs free until a drop occurs. Then the compressed spring's upward shove retards drop of weight, which drives slips into wedging contact with casing walls, as shown in figure 2, Total drop is less than four inches.

Many leading producers are now putting these catchers on EVERY pumping well.

Fully patented. Handled by all leading supply houses.

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825 Mason Bldg., Houston
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CALIFORNIA BRANCH:
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BETTER BE SAFE THAN SORRY
GUIBERSON

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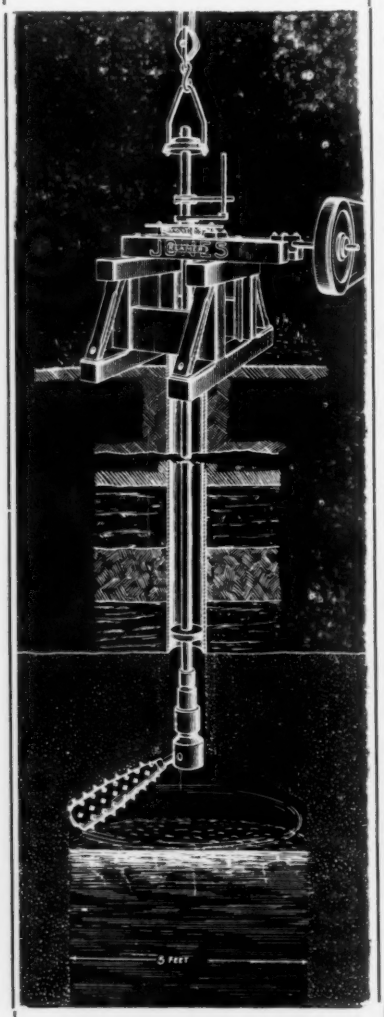


This Reamer Outfit is easily attached to any Drill Rig or Clean-out Machine.

It will increase production more than any method used in cleaning wells.

Write or Wire for Special Offer

JONES OIL WELL REAMER CO.

Independence, Kansas

Eastern Office: Oil City, Pa.

Sweeney's Longbotham 4, sd for cement to set 2880 ft.

Trapshooter Dev. Co.'s Bounds 1, lcn abn; Bounds 2, sd 2970 ft; T. W. Bounds 2, fsh 2990 ft; R. V. Bounds 4, 2980 ft. to dr to 3000 ft; R. V. Bounds 3, dr 2165 ft.

Varley et al's Keiph 1, fsh 3000 ft.

Wafer Oil Co.'s Wilkes 1, sd 1795 ft.

Sanders & Wheelock's Edens 1, 1,000,000 ft gas shut in 1170 ft.

Kosse County

Dan Dillon et al's E. C. Molstead 1, spudded and sd for water.

Engle et al's King Estate 1, dk.

Hobbs Oil Co.'s D. E. Outz 1, dr 3490 ft. J. K. Hughes Dev. Co.'s Hammond 1, dr 2950 ft. Humphrey Oil Co.'s W. D. Allen 1, dr 3625 ft; Bessett 1, dr 3640 ft.

Kosse Chief Oil Synd.'s 1, Block 12, sd 1495 ft. Kosse Gusher Synd.'s Allen 1, dr 2350 ft. Kosse Mid-West Oil Co.'s Garrett 1, sd 1200 ft.

McPhail et al's Rogers 1, sd for cement to set 3625 ft.

Kosse White Star Synd.'s Johnson 1, dk.

Owenwood Oil Co.'s Williams 1, rigged up and sd.

Revere Oil Co.'s Bratton 1, (Lot 2), sd for casing 3590 ft; Harper 1, dk.

T. C. Oil Co.'s Bratton 1, dk.

Thompson Oil Corp.'s King Estate 1, dr 1950 ft.

Wilcox Oil Synd.'s Allen 1, Block 18, Lot C, dr 2950 ft. Williams & Pyle's Jolly 1, dr 3350 ft.

Kosse White Star Synd.'s Mitchell 1, dk.

Mason Kosse Synd.'s Bassett 1, dr 650 ft. H. P. Miller et al's Padgett 1, dk. Miller & Kimbrough's L. Parsons 1, rigging up.

Axelson Machine Co. Officials End Tour

Houston, Texas, Nov. 1.—Completing a tour of the Mid-Continent and Texas oil fields, J. C. Axelson, secretary and general manager of the Axelson Machine Company, Los Angeles, and Chas. W. Wagner, general sales manager of the company, spent two days in Houston this week, accompanied by H. W. Platenberg, Mid-Continent representative of the company and Mills Hammett, factory representative in the Gulf Coast and Louisiana section. Mr. Axelson and Mr. Wagner left Houston Thursday evening for Los Angeles.

Some record sales of Axelson sucker rods were consummated by the Axelson men while in the Mid-Continent, and they report that their business has never been better.

Mr. Hammett, whose home has been at Shreveport, will be stationed in Houston in the future as factory representative of the company.

Chicago, Ill., Nov. 1.—Net profits of $531,859 after expenses and other deductions is indicated in latest Kansas and Gulf financial statement for the six months period ended June 30, last.

Sales for the period amounted to $993,788 with expenses, etc., $449,282. The balance remaining totalled $544,406. Other income aggregated $3,280 with total income as $547,786 and other deductions as $15,927.

Washington, D. C., Oct. 31.—An appeal by William L. and Ora Price, Oklahoma homesteaders, involving valuable oil holdings in Oklahoma was denied this week by the United States supreme court which refused to review the case which was against the Magnolia Petroleum Company.

The land in controversy was sold to the Prices by the State of Oklahoma under the laws of 1909 and only the surface rights was included in the deal. In 1918 the State sold the mineral rights to the Magnolia Petroleum Company which later developed the property against the wishes of Price and under the protest of an in-injunction. The land is in Stephens county.

NOTICE OF TRUSTEE'S SALE FREE OF LIENS

In the District Court of the United States For the Northern District of Texas, Dallas Division.

North Texas Oil & Refg. Co., Ltd., Bankrupt. No. 1561, in Bankruptcy.

In pursuance of an order to me directed, I will receive at the office of Burgess, Burgess, Sadler, Chrestman & Brundidge, 1107-11 Southwestern Life Building, corner Akard and Main Streets, Dallas, Texas, Thursday, November 9th, 1922, up to 2:00 o'clock P. M., bids for the purchase of the bankrupt's entire estate, real, personal and mixed, being the Refinery Plant and land on which situated, located one and one-half (1½) miles Southeast of the City of Greenville, Hunt County, Texas, near the junction of M. K. & T. and Texas-Midland Railroads, including all tanks, pipes, machinery, improvements and fixtures, said land containing thirty (30) acres out of the C. A. Worfield Survey, described in Vol. 117, page 514, Deed of Trust Records of Hunt County, Texas; those certain lots, tracts and parcels of land and all property thereon situated, located in the City of San Antonio, County of Bexar, State of Texas, being the East one-half of Lot 6, all of Lots Nos. 7 and 8, and part of Lot 9, New City Block No. 2580, with certain exceptions therefrom as described in Vol. 117, page 514, Deed of Trust Records aforesaid; all of a certain property lease, rights, in and to a certain service station situated in the City of Georgetown, County of Williamson, State of Texas, and certain personal property located in said City, being one oil tank, also certain service stations situated in the city of Houston, County of Harris, State of Texas, being all of the fixtures, houses, buildings, etc., located on the certain real estate under lease by the bankrupt from A. Stelzig of Houston, Texas; all furniture, supplies, books, and appliances contained in the office of the bankrupt in the City of Greenville, Hunt County, Texas; all furniture, fixtures, supplies, and appliances in the office of the Bankrupt in the City of San Antonio, Bexar County, Texas; Lot 40 x 400 ft. in the J. B. Morford Survey No. 10, Block 62-B, in the town of El Campo, Texas, and all notes, accounts, and choses in action belonging to said bankrupt, free from liens existing against same. Terms of sale to be cash on confirmation by the Court. All bids will be reported by me at a meeting of the creditors to be held before the Honorable E. M. Baker, Referee in Bankruptcy, in Room 714, Praetorian Building, Dallas, Texas, on the 10th day of November, 1922, at 2:00 o'clock P. M. for the action of said Referee. Certified check for seven and one-half (7½%) percent of bid must accompany bid.

J. FRED SMITH,
Trustee in Bankruptcy.

Can Store Crude in Large Tanks Cheaper Than in Smaller Ones

BARTLESVILLE, OKLA., Oct. 31.—Up to the 80,000-barrel size, the larger the tank for storing crude oil, the lower the initial cost per barrel, according to J. H. Wiggins of the petroleum experiment station of the Bureau of Mines here. For several years past, Wiggins has devoted his time largely to storage problems, especially that of evaporation.

His statement follows:

"The Mid-Continent oil producers having passed resolutions to the effect that each independent producer shall store his own crude to the limit of his capacity, it is important that thought be given to two important phases of the storage problem. The first is the cost of the tankage. The second is the cost attendant upon the storage of crude over a period of time.

"Concerning the first question it may simply be stated that the larger the tank the lower the first cost for each barrel of capacity decreases quite rapidly until the 80,000 barrel size is reached. At the same time that the weight of steel a barrel decreases, the labor of fabrication and erection a barrel also decreases. For example, if a 55,000-barrel tank costs $18,000 and will store 53,000 barrels of oil safely, the cost of tankage a barrel stored is $0.34. As against this, it costs the man who pays $1,200 for a tank that will hold only 1000 barrels, $1.20 a barrel or more than three times the rate in the 55,000 size.

"In considering first cost, the probable period of storage and the salvage value must be taken into consideration. Thus, if the 55,000 size is to be used, the entire cost of the tank may be paid for and a profit realized from the first filling and sale of crude. The smaller size 5000 and 10,000 or less will always have an outlet in the refineries. Thus a smaller tank costing originally 75 cents a barrel and having a salvage value of 30 cents a barrel, would have a net cost of 45 cents for the cost of one filling and sale. Thus even though the first cost a barrel of the smaller size be much greater than the 55,000 size, still it might compete in cases where the production is small on account of the salvage value of the smaller tank.

"The second phase of the storage problem is that of evaporation, loss and fire, aside from minor expenses of upkeep. Concerning evaporation much has been written in the trade journals and by advertisers of special tank equipment. The manner in which to obtain the most information regarding this subject is to read Bulletin 200, United States Bureau of Mines. Since completing that bulletin the writer has spent two years in determining methods and means for decreasing the loss from well to and through the refinery.

"It has been definitely established in the minds of all men connected with the handling of petroleum that a really tight tank roof will pay for itself over many old types of roof in a short time.

"It will soon be just as firmly established, where oil is handled in and out of a large tank—30 feet diameter and up—that an ordinary tight canopy is not the best solution of the problem.

"However, under the present conditions, an independent producer should consider no type of tank which did not at least have a roof that was tight with riveting and caulking. Large roofs have been welded with apparent success, although leaks have been detected in welding 55,000 barrel roofs through lack of proper inspection of the job rather than through fault of the method. About the tightest roof having the lowest first cost, is a patented, riveted and soldered sheet iron roof laid over the standard wood sheeting and supports."

UNION PETROLEUM OF BELGIUM MOVES TO BRUSSELS

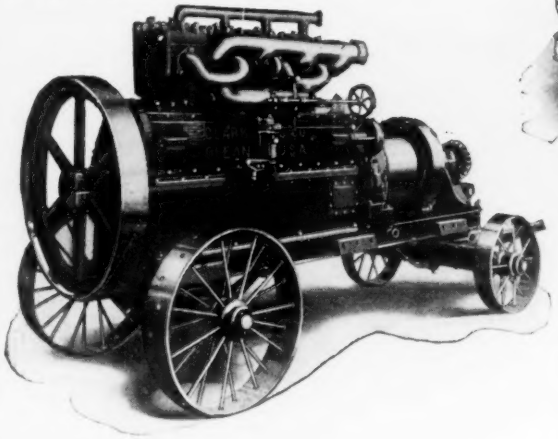
Philadelphia, Pa., Oct. 28.—Principal offices of the Union Petroleum Company of Belgium now are located at Brussels instead of Ghent and the former city has been made the chief distributing center for the company's business in Belgium, Holland and the Rhine valley. Sales and earnings of the Union Petroleum of Belgium are reported good.

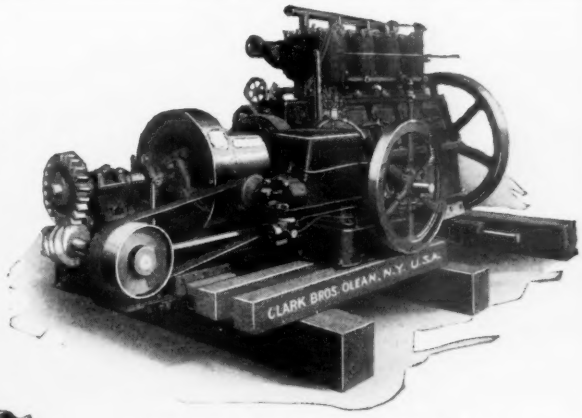
The Union Petroleum Company of Belgium is Sinclair Consolidated's distributing subsidiary in that section of Continental Europe and products of Sinclair Refining are handled by the Belgium company.

E. C. Maddox, pipe line foreman for the Panhandle Refining Company, returned to headquarters at Wichita Falls last week, after making a visit to Indianapolis and Detroit.

SOME FEAT!

Clark gas, gasoline Drilling Engine drills 5025 feet of 8-inch hole on wildcat well near Barstow, Texas, for the Pinal Dome Oil Company. This is one of the deepest holes ever drilled in Texas but it is not an unusual performance for the Clark Engine. One of our users states that it handles the tools at this depth just as well as at 2000 feet.





GASOLINE MOTOR SINKS WILDCAT WELL 5,025 FEET

Barstow, Tex.—The Pinal Dome Oil Co. recently abandoned a wildcat hole after reaching a depth of 5025 feet. The well, one of the deepest ever drilled in Texas, was put down all the way with a gasoline motor. Another remarkable fact about the well is that no casing was used except near the top of the well and when the work was stopped the bit was making 8-inch hole.

Manufactured by

CLARK BROS. COMPANY, OLEAN, N. Y.

THE NATIONAL SUPPLY COMPANIES

Exclusive Sales Agents

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MONTHLY SUMMARY FOR 1921 AND FOR JANUARY-SEPTEMBER, 1922, SUBJECT TO REVISION

	Domestic production of petroleum (petroleum transported from producing properties)		Imports of "mineral crude oil"		Exports of "mineral crude oil"		Stocks*		Estimated consumption of domestic and imported petroleum (deliveries to consumers)		
	Total (thousands of barrels)	Daily average (barrels)	Total (thousands of barrels)	Daily average (barrels)	Total (thousands of barrels)	Daily average (barrels)	Held last day of month (thousands of barrels)	No. days' supply based on daily rate of consumption	Total (thousands of barrels)	Daily average (barrels)	Number of producing oil wells completed during month
January, 1921	37,959	1,224,484	13,193	425,577	743	23,979	125,589	78	49,421	1,594,226	1,825
February, 1921 ...	35,366	1,263,071	11,384	406,580	794	28,368	132,222	94	39,323	1,404,393	1,574
March, 1921	40,905	1,319,516	12,303	396,875	750	24,188	139,499	96	45,181	1,457,452	1,452
April, 1921	40,040	1,334,667	10,104	336,797	748	24,922	146,399	103	42,496	1,416,533	1,224
May, 1921	41,985	1,354,355	9,148	295,078	874	28,179	155,267	116	41,391	1,335,194	1,405
June, 1921	40,354	1,345,133	10,255	341,842	586	19,538	162,463	114	42,827	1,427,567	1,471
July, 1921	40,252	1,298,452	8,047	259,575	538	17,365	168,821	126	41,403	1,335,580	1,162
August, 1921	40,984	1,319,161	3,352	108,136	885	28,542	169,682	124	42,500	1,370,968	952
September, 1921 ..	36,508	1,216,933	9,139	304,615	881	29,352	172,874	125	41,574	1,385,800	788
October, 1921	35,539	1,146,420	11,635	375,336	747	24,085	174,149	120	45,152	1,456,516	752
November, 1921 ..	37,880	1,262,667	12,994	433,125	869	28,967	178,260	117	45,894	1,529,800	899
December, 1921 ...	41,957	1,353,452	13,753	443,654	525	16,949	185,623	120	47,819	1,542,548	1,108
January, 1922	43,141	1,391,645	13,097	422,474	727	23,440	196,228	136	44,906	1,448,581	1,151
February, 1922	40,814	1,457,642	12,077	431,337	659	23,532	208,851	148	39,609	1,414,607	1,143
March, 1922	46,634	1,504,323	14,004	451,742	806	26,004	221,588	146	47,095	1,519,194	1,323
April, 1922	44,635	1,487,833	11,659	388,646	923	30,784	235,962	173	40,997	1,366,567	1,442
May, 1922	46,456	1,498,580	14,018	452,186	772	24,882	247,093	158	48,571	1,506,806	1,511
June, 1922	45,559	1,518,633	12,182	406,062	825	27,516	255,817	159	48,192	1,606,400	1,654
July, 1922	46,593	1,503,000	10,493	338,480	893	28,816	261,395	160	50,615	1,632,742	1,798
**August, 1922 ...	46,521	1,500,677	8,485	270,484	763	24,612	271,901	168	50,141	1,617,452	1,709
September, 1922 ..	45,246	1,508,200	6,465	215,500	738	24,612	273,264	165	49,610	1,653,667	1,572

*Net pipe line and tank farm stocks east of California and gross pipe line, tank farm and producers' stocks in California plus stocks of Mexican petroleum held in the United States by importers. **Revised.

ESTIMATED CONSUMPTION (DELIVERIES TO CONSUMERS) OF DOMESTIC AND IMPORTED CRUDE PETROLEUM

(Barrels)

	July, 1922*		August, 1922*		September, 1922	
	Total	Daily average	Total	Daily average	Total	Daily average
Domestic petroleum: (Source of oil by fields)						
Appalachian	2,316,000	74,710	2,689,000	86,742	2,311,000	77,033
Lima-Indiana	339,000	10,935	244,000	7,871	319,000	10,633
Illinois & S. W. Ind....	568,000	18,323	648,000	20,903	755,000	25,167
Mid-Continent	22,469,000	724,806	23,836,000	768,903	22,988,000	766,267
Gulf Coast	2,745,000	88,548	2,418,000	78,000	2,381,000	79,367
Rocky Mountain	2,075,000	66,936	2,201,000	71,000	2,512,000	83,733
California	9,880,000	318,710	†9,269,000	299,000	10,218,000	340,600
Consumption and Exports ‡	40,392,000	1,302,968	41,305,000	1,332,419	41,484,000	1,382,800
Exports of Domestic crude oil...	883,000	28,484	742,000	23,935	718,000	23,933
Consumption in U. S. and territories	39,509,000	1,274,484	40,563,000	1,308,484	40,766,000	1,358,867
Imported petroleum: Consumption in U. S. and Territories§	10,584,000	341,419	9,578,000	308,968	8,844,000	294,800
Consumption of domestic and imported petroleum in U. S. and territories	50,093,000	1,615,903	50,141,000	1,617,452	49,610,000	1,653,667

*Revised. †American Petroleum Institute figures for California stocks July 31 used in calculation of August consumption. ‡Production plus domestic stocks at beginning of month minus domestic stocks at end of month. §Imports of "mineral crude oil" minus exports of foreign crude oil plus decrease or minus increase of stocks of Mexican petroleum held in the United States by importers.

TULSA BOILER AND SHEET IRON WORKS
ENGINEERS MANUFACTURERS AND ERECTORS
OIL REFINERY WORK STORAGE TANKS BOILERS SUPPLIES AND REPAIRS
STEEL PLATE CONSTRUCTION
STACKS RIVETED PIPING, PRESSURE TANKS, ETC.
BOX 1926 - TULSA, OKLA.
PIONEERS IN MID-CONTINENT FIELD SPECIALIZING ON
CRUDE STILLS, AGITATORS, COND. BOXES
VAPOR TOWERS AND ALL OTHER
REFINERY TANKAGE

Four Okla. Oil Men Meet Violent Deaths

Tulsa, Okla., Oct. 30.—Two accidents, an explosion and a shooting, were responsible for the death of four employes of oil companies in Oklahoma the last week.

J. L. Hefflin of Yale, superintendent of the Southern Oil Corporation at that place was shot and killed at Quay October 25. He was 34 years old and was widely known in oil circles. He was buried at Yale where the funeral service was conducted by the Masonic lodge.

Edwarn Kuehn was suffocated in an oil tank of the Carter Oil Company at Yale, October 27. Kuehn was working with other men on some tanks and fell into one half filled with oil when a plank on which he was standing collapsed. He was 32 years old and is survived by his wife and a small child. The body has been sent to South Bend, Ind., his former home.

George Chamberlain, who was fatally injured October 27 when he fell into a high pressure still at the Marland Refining Company's plant at Ponca City, died the day following. Two other men were injured at the time but they will recover.

Walter Warren, who is said to be from Yonkers, Oklahoma, was burned to death October 28 when an agitator at the Indiahoma Refining Company's plant at Okmulgee exploded, setting fire to three oil tanks. Two others were injured and are now in the hospital at Okmulgee.

J. F. O'Donohoe, independent oil operator and manager of the Petroleum Producers Company with headquarters at Wichita Falls, was a business visitor in Dallas early this week.

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$1.00 A YEAR!

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THE OIL WEEKLY

Box 1307—Houston, Texas

Enter my name for one year's subscription to The OIL WEEKLY, for which you will find enclosed check for $1, as payment in full.

Name .....

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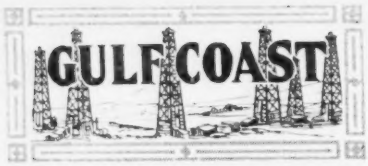
Producing Executive ◇ Pipe Line ◇ Field Man ◇

11-4-22



TEXAS GULF COAST COMPLETIONS

Company, well, location	Initial Production bbls.	Depth
Orange—		
Humble O. & R. Co. Aaronson 2	*	4625
Edgerly Pet. Co.'s Carbello 6, wo	150	3325
Hamilton Oil Corp. Chesson 2, wo	200	3108
Sun Co. Belile 2	170	....
Thrift Oil Co. McGuire 2, wo	160	3550
Goose Creek—		
Gulf Prod. Co. Black Duck Bay 1	200	4400
Humble O. & R. Co.'s Isenhour 1-B	*	4875
Hull—		
Humble O. & R. Co. Marshall 1	4000	1120
Abel 3-B	500	1553
Republic Prod. Co. David Hanna 5	200	2630
Abercrombie et al Marshall 1	*	710
Humble—		
Texas Co.'s Landslide 237	200	2610
Southern Pet. Co.'s Landslide 37	100	1500
Saratoga—		
Gulf Prod. Co. Mayo 1	*	3550
Batson—		
Kirby Pet. Co. Millhome Strip 10	500	2420

PIERCE JUNCTION PRODUCTION

Houston, Texas, Oct. 30.—The average daily production of the Pierce Junction field for the past week was about as follows:

	Barrels
Gulf Prod. Co.	750
Humble Oil & Ref. Co.	200
Snowden & McSweeney	125
Sun Company	100
Total	1,175
Last Week	1,585

PIERCE JUNCTION DRILLING REPORT

Humble Oil & Ref. Co.'s Fitzsimmons 4, dr 3315 ft.

Sun Company's Whitehead 1, waiting for cement to set 3360 ft.

Texas Coast Oil Co.'s Settegast 1, pumping sw 4400 ft.

Gulf Prod. Co.'s Taylor 13, dr 3650 ft.

BATSON DRILLING REPORT

Gulf Prod. Co.'s Knight 7, wo dr 1050 ft.

BLUE RIDGE DRILLING REPORT

Neils Esperson's Ewing 1, dr 5295 ft.

Sinclair Oil & Gas Co.'s Lee Bashara 1, bailing 3724 ft, 220 ft of oil in hole.

Gulf Prod. Co.'s Blakely "B" 3, wo, trying to deepen.

Texas Co.'s Robinson 9, bailing, oil within 1200 ft of top, td 3630 ft.

Quick Decline of Shallow Sand Wells Keeping Hull From Showing Increase

HOUSTON, TEXAS, Nov. 1.—Recent performance of wells completed on the western slope of the Hull Dome in Liberty County have attracted more than the usual amount of interest to this promising Gulf Coast section and as a result much speculation is held as to its future place in the production column of Gulf Coast fields. The field at present is maintaining a daily average production of around 24,000 barrels and is making a stiff fight for honors as the leading producing field. West Columbia, while now comparatively quiet, continues to top the list of Coastal fields, a honor which it has held for several years.

For the past few weeks new production to the amount of about 5000 barrels a week has been added to the Hull field, but in spite of this addition the daily average over the seven day periods has failed to register any material increase. This is acounted for in the fact that wells completed at the shallow depth on the west side with high flush production show a quick decline which in most cases has only been offset by the large initial shown the first few days.

On the other hand, many locations are yet to be drilled on the prolific western side and this section is now the center of activity in the coastal districts. Wells under way in the field are being rushed to completion and the additional production added by these tests, should they show anything like the initial of recent completions, will boost the output of the field up past the 30,000 barrel per day mark during the month of November.

Several concerns which have been holding acreage for sometime in this vicinity but which have not been partaking in the development are now beginning operations. The Crown Oil and Refining Company again entered the field during the current week with the construction of a rig on their Abel lease and plans for several more.

On Wednesday of last week the Humble Oil and Refining Company's initial test for the Marshall tract came in for an initial production of 4000 barrels as reported in last week's issue of The OIL WEEKLY. The well is the prize shallow sand producer yet to be completed in the field. Production was encountered at 1120 feet.

This week the same company's Abel 3-B made a 500 barrel producer a 1553 feet.

The Republic Production Company's Hanna 2 on the west side started flowing last Friday at the rate of about 2000 barrels and extended the producing limits approximately 200 feet further west.

Other coastal districts were quiet during the current week with Orange leading in number of wells completed. Five completions in that field resulted in four producers of better than 100 barrels initial and one dry hole.

The Kirby well at Batson which came in late last week for an estimated production of 500 barrels from 2420 feet at last reports was holding up around 150 barrels of 28 gravity oil. In this district the Gulf is moving in on Knight 1 and will work over.

NACOGDOCHES CRUDE ANALYSIS

Following is the analysis of Nacogdoches crude as made by the Bureau of Mines from well in the Nacogdoches, Texas, field:

Specific Gravity, 0.923
A. P. I. Gravity, 21.8
Per cent sulphur, 0.39
Per cent water, 0.3
Sayboldt Universal viscosity at 70° F.—700 seconds
Sayboldt Universal viscosity at 100° F.—390 seconds
Pour test, below 5° F.
Carbon residue of residuum, 7.4%

	Per Cent	A.P.I. Grav.
Gas. and Naphtha	...	... ...
Kerosene	...	... ...
Gas Oil	19.5	29.9 ...
Lgt. Lub. Dist.	14.9	27.3-24.9
Med. Lub. Dist.	12.6	24.9-23.1
Visc. Lub. Dist.	8.8	23.1-22.1

It will be noted that the Nacogdoches County oil is devoid of gasoline and kerosene.

SOUR LAKE DRILLING REPORT

The Texas Co.'s Fee 247, to set strainer 1870 ft, td 2165 ft; Fee 296, dr 1975 ft.

Gulf Prod. Co.'s Tarver 51, sdtr 2105 ft.

Lake View Oil Co.'s Morrison 28, dk.

HUMBLE PRODUCTION

Houston, Texas, Oct. 30.—The average daily production of the Humble field for the past week was about as follows:

	Barrels
The Texas Company	4,935
Galena Signal Oil Co.	1,260
Invincible Oil Co.	250
Cezeaux & Martin	240
Humble Oil & Ref. Co.	120
Southern Pet. Company	100
Crown Oil & Refining Co.	100
Trinity Oil Corporation	50
Gulf Coast Oil Corporation	40
Bradley Brothers	25
Miscellaneous	640
Total	7,760
Last week	7,800

HUMBLE DRILLING REPORT

The Texas Co.'s Stevenson 27, rigging up to wo; Stevenson 11, sdtr 975 ft, td 3260 ft; Stevenson 23, sd 2715 ft; Landslide 236, setting tubing 2740 ft; Landslide 252, rigging up to wo; Koehler 32, to put on pump 3295 ft; Koehler 33, dr 625 ft.

Crown Oil & Ref. Co.'s Herman 62, dr 1045 ft.

Southern Pet. Co.'s Landslide 18, wo, co 1625 ft; Landslide 30, dk; Landslide 38, dk.

SPINDLE TOP DRILLING REPORT

Amerada Pet. Corp.'s McFadden 1, dr 3925 ft.

First in Every Field
First at Serepta

OF COURSE, the first tanks in the new Serepta field, Webster Parish, La., were Columbian Vapor-Proof Bolted Steel Tanks.

The battery shown—four 500's and a 625-bbl. "gun-barrel"—are taking oil from Lloyd-Harris No. 3—a gusher making 10,000 bbls. They were sold and erected by the Cypress Tank Company, Shreveport.

The tanks at Serepta are typical. Columbian Vapor-Proof Bolted Steel Tanks, first in construction, are first in *every* field.

These tanks, capped by Columbian Vapor-Proof Decks, are not only taking oil, but are saving it as well.

For with this deck, an otherwise tremendous evaporation loss is practically cut out.

This oil-saving deck, sealed absolutely gas-tight, has by test saved 9 bbls. on a 250-bbl. tank standing full 5 days.

It is saving thousands of dollars in every field, every year.

Protected by an entirely automatic pressure-relief valve. Simple, efficient, safe. Operates absolutely without human attention.

Preparedness paid the Lloyd-Harris Company. These tanks were up on time.

Fast and efficient service have made an enviable reputation for Columbian dealer-erectors in every field.

The one in your field is ready to start erection any time of day or night. 65 to 10,000 barrels, inclusive.

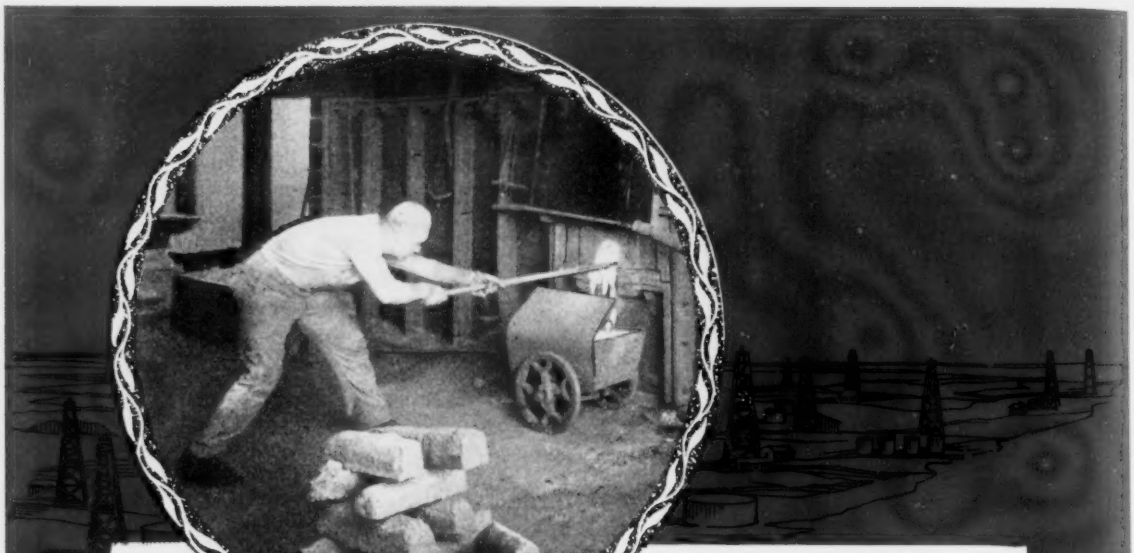
It will save you money and worry to get in touch with him today.

Columbian Steel Tank Company

1413 West 12th Street, Kansas City, U. S. A.

COLUMBIAN TANKS FOR THE WORLD

Vapor-proof Bolted Steel Tanks



This Slow Laborious Process Means Added Years of Pipe Life

For 73 years, the superiority of Reading Genuine Wrought Iron Oil Country Goods has been based on the puddling process by which is produced fibrous genuine wrought iron, with its remarkable resistance to both corrosion and crystallization.

Production costs of genuine wrought iron are considerably higher than those of steel—a condition reflected in the price of the finished pipe. First cost and ultimate cost, however, are vastly different. As long as pipe buyers continue to compare the cost of pipe with the service it renders, Reading Genuine Wrought Iron Oil Country Goods, will remain, as they now are, the standard of quality and true ultimate economy throughout the oil fields.

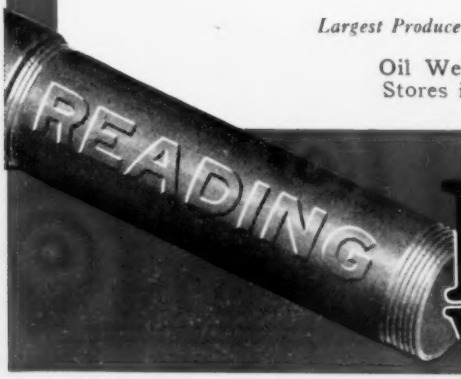
Every foot of Reading Casing, Tubing and Line, Drive and Drill Pipe is guaranteed to be 100 per cent genuine wrought iron, made entirely from puddled pig iron.

A detailed description of the puddling process is contained in Bulletin No. 1. Your copy is ready.

READING IRON COMPANY
READING, PA.

Largest Producers of Wrought Iron Pipe in the World

Oil Well Supply Co., Distributors
Stores in All Important Oil Fleds



READING
GUARANTEED GENUINE
WROUGHT IRON PIPE

Twelve New Producers Are Added To Somerset Field in One Week

SOMERSET, TEXAS, Oct. 30.—Twelve new producers were added to the Somerset field last week, all of them being good average wells which went on the pump immediately.

The Grayburg brought in it's No. 11 Hartung "B" and it's No. 3 Mary Williams. The Gulf Production Company completed its fifth well on its fee making better than average production. This acreage is part of the old Carruthers estate and is in territory that has produced some of the best wells in Somerset. This is the second well for the Gulf during October. They are moving a rig to their No. 6 location.

Johnson Brothers put their No. 5 Nestroy on the pump last week also it being their second well for October. It made better than the average for that part of the field and was from a deeper sand. Other wells completed for the week were: J. H. Gilliland's No. 1 Gonzales; Helvetia Copper No. 1 Knight; Lain Oil Company's No. 2 Seffel; Martin Bros.'s No. 2 Lambert; Pioneer Oil & Gas Co.'s No. 6 Ernst; Somerset Crude Oil & Refining Co.'s No. 4 Schmidt; Southwestern Producing Syndicate's No. 2 Carruthers.

If this rate continues, operators says Somerset will attain 4,000 barrels daily average before the first of the year, helping swell the deluge of oil that is inundating the market.

Johnson Bros. and the Grayburg Oil Company are drilling deeper in the Southwestern part of the field trying out the sands lower down and thus far have increased production by setting more perforated pipe. Johnson Bros.'s No. 3 Nestroy was completed at 1865 feet and came in with flush production of about 65 barrels settling to 30. Grayburg's No. 5 Heikman was completed at about the same depth for about the same production. Oil at lower depths tests about 36 gravity and commands a premium. It is believed some of these deeper wells would make a gusher oil, it comes into the hole so rapidly but an almost total absence of gas keeps the wells from flowing.

There were two deals reported during the week, wherein Martin J. Arnold and associates of San Antonio acquired the Carruthers lease in Somerset with one well and another soon to go on pump and the Gulf State Oil Company transferred some of its acreage to Johnson Bros. The La Salle Oil Company which recently reorganized is acquiring additional acreage in the field for development it is reported.

Schimmel & Company are moving in two rigs from Mexia for service in Somerset field. One is rigging up on the Miller tract.

J. S. Suttle of Lake Charles is shipping in two rigs having secured a lease on part of the Dillon tract. E. J. Fountain probably will handle Mr. Suttle's field work in Somerset. Mr. Fountain is credited with bringing in the No. 4 Hartung B for the Grayburg Oil Company, one of the biggest wells in the field.

ORANGE PRODUCTION

Houston, Texas, Oct. 30.—The average daily production of the Orange field for the past week was about as follows:

	Barrels
Gulf Prod. Company	4,780
Humble Oil & Ref. Company	3,000
Brownie-Babbette Oil Company	2,000
Amerada Pet. Corp.	1,425
Hamilton Oil Corp.	1,340
Edgerly Pet. Company	1,050
Orange Pet. Company	850
Atlantic Oil Company	335
Sun Company	270
Monarch Oil & Ref. Company	300
Paraffin Oil Company	125
Supreme Oil Company	175
Sinclair Oil & Gas Co.	60
Gulf Coast Oil Company	45
Miscellaneous	160
Total	15,915
Last Week	15,630

ORANGE DRILLING REPORT

Humble Oil & Ref. Co.'s Chesson 15, lcn; Chesson 12, sd 4015 ft; Carbello 2, dr 2425 ft; Winfree 7, lcn.

Amerada Pet. Corp.'s States 3-B, sdtr 2700 ft; Kishi 2, dr 3575 ft.

Brownie-Babbette Oil Co.'s McLean 5, bailing 3360 ft; Pevito 3, wo dr 3375 ft; McLean 4, waiting on rig; McLean 7, sdtr 3560 ft.

Hamilton Oil Corp.'s Chesson 9, dk.

Orange Pet. Co.'s Winfree 1, wo, sd 3150 ft; Winfree 4, wo, dr 4200 ft; Chesson 4, dr 3360 ft.

Sun Co.'s Gunstream 3, bailing 3350 ft; Kishi 1, dr 4410 ft.

Sinclair Oil & Gas Co.'s State 1-A, dr 4630 ft.

Supreme Oil Co.'s Jackson 2, dr 4000 ft. Gulf Prod. Co.'s Hager Fee 7, new rig up after blow out; Hager Fee 9, rig up; McGuire 1, set strainer 3250 ft; Hager Moore 8, bldg dk; Chesson 2, dr 3350 ft.

K. Kishi & Co.'s Kishi 1, dr 3095 ft; Kishi 2, dr 3125 ft; Kishi 3, dr 2575 ft.

The Texas Co.'s Stark 1, Jacobs Island, sr to set cas 3115 ft.

DAMON MOUND PRODUCTION

Houston, Texas, Oct. 30.—The daily average production of the Damon Mound field for the past week was about as follows:

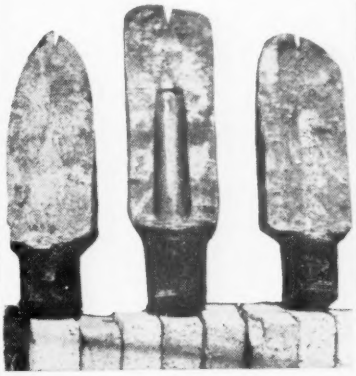
	Barrels
Sinclair Oil & Gas Co.	2,450
Southern Pet. Co.	350
Humble Oil & Ref. Co.	200
Hyde Prod. Co.	200
Total	3,200
Last Week	3,265

DAMON MOUND DRILLING REPORT

Sinclair Oil & Gas Co.'s Jackson 11, dr 1830 ft; Becker 5, dr 1050 ft; Masterson 6, bailing 1608 ft; Williams 6, dr 2200 ft; Masterson 16, rigging up; Mock 2, dr 1865 ft.

Hyde Prod. Co.'s Gibson 2, testing 2933 ft; Kittrel 1, testing 3125 ft; Wisdon 1, dr 2525 ft.

"A FISH tail bit is a
* * *
FISH tail bit and that's
* * *
ALL there is to it."
* * *
A DRILLER remarked to
* * *
US the other day.
* * *
BUT when we showed him this



PICTURE of the famous
* * *
THREE BITS and told
* * *
HIM that the first one and the
* * *
SECOND one had been run the
* * *
SAME time and had
* * *
CUT the same amount of rock
* * *
IN the same hole, and he
* * *
SAW what happened to No. 1
* * *
AND we told him that No. 2
* * *
IN the photo was our baby, and
* * *
THAT No. 3, from left to right
* * *
WAS run less than half as much
* * *
AS our bit, he changed his mind.
* * *
OUR bit is made of
* * *
CRESCENT steel and it doesn't
* * *
TAKE a wizard at figures and
* * *
FINANCE to see which is the
* * *
CHEAPEST in the long run.
* * *
AND boys, when the runs
* * *
ARE along around 3000 feet
* * *
YOU can't afford to be
* * *
PULLING out for a poor grade
* * *
BIT.
* * *
WRITE us for further
* * *
INFORMATION.

Gulf Coast Machine and Supply Co.

BEAUMONT, TEXAS

Well 25 Miles From Mirando Will Likely Make Producer

LAREDO, TEXAS, Oct. 30.—The Leaseholders Oil Company's No. 1 Gates Kirkpatrick ranch in Webb County, about 25 miles north and a little east of the Schott pool in the Mirando field, is said to be a good pumper at 1050 feet. Estimates place the possible production between 50 and 100 barrels. The new well is about 15 miles north of the Carolina-Texas gassers on the Barnsley ranch.

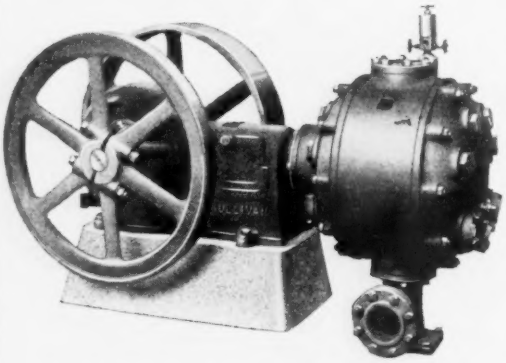
Thousands of acres of leases are owned by oil men and others throughout the country in that vicinity. Oil has been found in this well nearly 500 feet shallower than in the Schott pool. It is indicated, too, that the entire Escarpment may be a series of oil pools and there is a lively buzz of conversation among the oil men here.

There are today 50 producing wells along this Escarpment with an output estimated at about 4,000 barrels of oil a day although a number of wells are going into storage and estimates are likely to be under rather than over the correct figure.

Everybody is talking about the Kanoka Oil Company's No. 3 well which is holding up around 3,000 barrels daily production alone. This well, which is slightly more than 1600 feet deep flows a steady stream day and night with just enough gas to bring the oil out in good shape. It is the best well ever drilled in Laredo territory. This well is in the Schott pool where the Kanoka got it's first 1,000 barrel well and the Carnahan people got a couple about as big.

Among other wells reported in was the Laredo Oil Co.'s No. 4 in Schott pool for 100 barrels.

Sullivan Vacuum Pumps



This belted, single-cylinder, dry-vacuum pump is designed to give you continuous, efficient service.

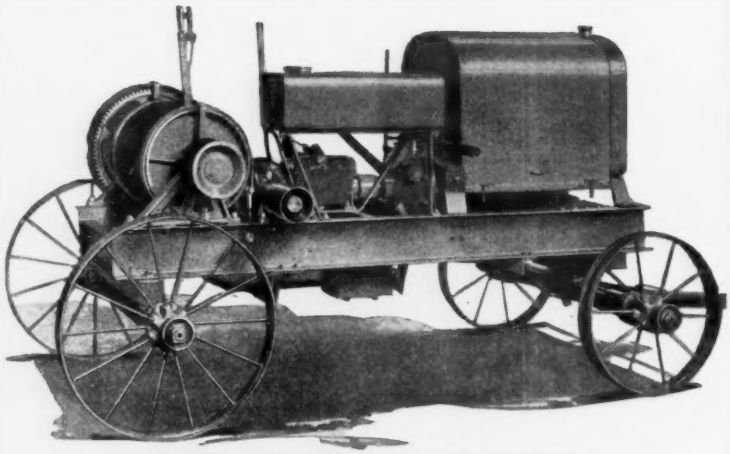
Wafer inlet and discharge valves, heavy duty construction, full enclosure of moving parts, splash lubrication, plus "Sullivan" attention to details insure that your vacuum requirements will be reliably met.

Capacities: 300 to 1600 cubic feet.

Ask for bulletin 4278A,

SULLIVAN MACHINERY CO.

Western Indemnity Bldg., Dallas, Texas



PULLING MACHINE

Pull Rods and Tubing—Saves Time and Money

Paggi Bros. Oil Company, Beaumont, Texas, write us as follows:

"On wells 1250 feet deep, on crew pulled rods and tubing placing on pump in 4 hours. Rod jobs, moving to wells and pulling, placing on pump 1 hour. Fuel consumption on tubing job, 4 hours' time, 2½ gallons gas."

Built in two sizes:—15 H. P.—6"x20" Spool; 30 H. P. 10"x28" Spool.

Tractor or Truck Mounted

MYRICK MACHINE COMPANY, OLEAN, N. Y.

GOOSE CREEK PRODUCTION

Houston, Texas, Oct. 30.—The average daily production of the Goose Creek field for the past week was divided about as follows:

	Barrels
Gulf Production Company	7,500
Humble Oil & Refining Co.	5,300
Butler Perryman	900
Crown Oil & Refining Co.	500
The Sun Company	480
Gulf Coast Oil Co.	300
Turnbow Oil Company	300
C. B. Japhet Oil Company	100
Miscellaneous	135
Total	15,515
Last week	15,215

GOOSE CREEK DRILLING REPORT

Humble Oil & Ref. Co.'s Gaillard Penn 26, setting up; Gaillard 49, dk; Smith Simms 33, sd 4110 ft; Smith Simms 43, sd 4180 ft; Smith Simms 46, dr 4935 ft; Isenhour 1-A, fsh liner 4833 ft; Isenhour 2-A, dr 3025 ft; Schilling 32, putting on air 4420 ft; Sweet 25, dr 4370 ft; Beaumont State 10, testing 4270 ft; Harrell 2, bailed dry 4330 ft; A. Smith 3, preparing to wo.

Gulf Coast-Crown Oil's Gaillard 14, dr 2455 ft; Gaillard 36, sd 3375 ft; Gaillard 37, dr 2375 ft.

Hiegene Oil Corp.'s Scorrega 1, sd 3965 ft; Scorrega 2, m 3150 ft.

Turnbow & Pierman's Dolan 6, bailing 2780 ft.

Crown Oil & Ref. Co.'s Gillette 8, rigging up; Gillette 4-A, preparing to m through cas.

Gulf Prod. Co.'s Chapman Bryan 4, dr 4200 ft; Gaillard 15, dr 4620 ft; Gaillard 16, dr 3700 ft; Wright 9, dr 1360 ft; Hirsch State 1, dr 3250 ft; Hirsch State A-1, lcn; C. Gaillard A-49, wo, sanded up 1880 ft; H. Smith 1, dr 1420 ft.

Sun Co.'s Smith 2, rig up to wo.

Ship Channel Oil Co.'s Atkinson 1, pipe stuck 1720 ft.

J. R. Copeland Oil Co.'s Spurman Isle 1, dr 1995 ft.

Butler Perryman's Bryan 4, lcn.

STRATTON RIDGE DRILLING REPORT

Freeport Sulphur Co.'s Dannenbaum-Tolar 10, dr 2450 ft; Dannenbaum-Tolar 9, dr 3250 ft; Seaburn 2, dr 2475 ft. Fairchild Oil Co.'s Boggs 1, sdtr 2700 ft, td 4200 ft.

Empire Gas & Fuel Co.'s Wilson 1, dr 4400 ft.

SARATOGA DRILLING REPORT

Rio Bravo Oil Co.'s 310-B, shut down 400 ft.

HULL PRODUCTION

Houston, Texas, Oct. 30.—The daily average production of the Hull field for the past week was distributed about as follows:

	Barrels
Republic Production Co.	7,500
Gulf Production Co.	7,325
Yount Lee Oil Company	3,500
Humble Oil & Ref. Co.	2,900
Houston Prod. Co.	1,300
Higgins Oil & Fuel Co.	500
Monarch Oil & Ref. Co.	400
F. H. Carpener Trustee	300
Empire Gas & Fuel Co.	225
The Texas Co., royalty	115
Crown Oil & Ref. Co.	5
Miscellaneous	15
Total	24,085
Last Week	24,690

HULL DRILLING REPORT

F. H. Carpenter Trustee's Stengler 2, bailing 3180 ft.

Gulf Prod. Co.'s Scarborough 12, dr 1460 ft; Morris Phillips 15, dr 3640 ft; Morris Phillips 18, dk; Hannah 10, dk; Hannah 4, dr 1660 ft; Hannah 9, dk; Phoenix Dev. Co. 32, set screen 2800 ft; Hannah 8, dk; Hannah 6, rig up; Hannah 7, rig up; Hannah 5, dr 1500 ft.

Higgins Oil & Fuel Co.'s Taylor 1, making dry gas 1445 ft; Merchant 3, dr 2975 ft; Merchant 4, dr 750 ft.

Houston Prod. Co.'s Abel 4, dr 1450 ft; Abel 5, dr 1900 ft.

Humble Oil & Ref. Co.'s Hook Spells 10, dk; Guedry 16, setting up; Taylor 3, dr 825 ft; Merchant 1, dr 3665 ft; Marshall 2, dk; Marshall 3, setting up; Abel 4-B, dr 600 ft; Abel 5-B, dr 1625 ft; Crosbie 1, wo dr 1175 ft.

Link Oil Corp.'s Rivers 1, dr in salt 3300 ft.

Republic Prod. Co.'s Dolbear 56, dk; David Hannah 4, dr 2640 ft.

Yount Lee Oil Co.'s 4, dr 1250 ft; Stengler 4, dr 3720 ft.

Monarch Oil & Ref. Co.'s Abel 1, sw, 2050 ft; Abel 2, sw 1010 ft.

F. W. P. Oil Co.'s Carr 5, dk.

Abercrombie et al's Marshall 1.

Crown Oil & Ref. Co.'s Abel 1, rig up; Abel 2, dk.

Fusom Dev. Co.'s Pickett 1, dr 1000 ft.

DAYTON DRILLING REPORT

Humble Oil & Ref. Co.'s Pruitt 4, dr 2375 ft; Pruitt 5-A, dr 2950 ft.

North Dayton Oil Co.'s Jones 2, lcn; Grandberry 2, dr 2090 ft.

Beaumont Oil Co.'s Josey 1, sd 1700 ft.

San Francisco, Calif., Oct. 28.—The Standard Oil Company (California) has mailed the following notice to its stockholders: "For the convenience of stockholders, the stock transfer books of the Company in New York will be opened on the morning of December 6th instead of December 11th, to facilitate the registration of transfers prior to the proposed date of record, the close of business December 9th, 1922, for the contemplated stock dividend. J. H. Tuttle, secretary."

Water in Mirando Pool Casing Seats Are Bad

Laredo, Texas, Oct. 30.—The report of the appearance of salt water and basic sediment on the wells in the Mirando field has been exagerated to some extent. It is true that salt water has appeared in several wells scattered about the field, in some instances as high as 20 per cent. It is believed by some that the casings were not properly set.

The old Carnahan well, although deeper than other holes nearby, is making clean oil. The Kanoka nearby showed some b. s. and salt water. In the Mirando field, the drillers are having trouble in finding a good seat for the casing and the cement does not at all times hold.

There is no trouble in treating out the oil from the wells producing b. s. and salt water. A steam pipe is run into the flow tank and only a moderate amount of heat is necessary to settle out the water.

The old Carnahan well is the only one in the field with a screen.

MISCELLANEOUS TEXAS GULF COAST PRODUCTION

Houston, Texas, Oct. 30.—The average daily production of the Miscellaneous Gulf Coast fields for the past week was distributed as follows:

	Past Week	Prev. Week
Sour Lake	4,650	4,650
Somerset	3,600	3,600
Mirando (Zapata County)	3,750	3,750
Barbers Hill	1,350	1,850
Saratoga	1,875	1,780
Batson	1,225	1,180
Blue Ridge	3,600	1,850
Spindle Top	710	750
Nacogdoches	100	100
Markham	100	100
Dayton	65	65
Richmond	25	25

WEST COLUMBIA PRODUCTION

Houston, Texas, Oct. 30.—The daily average production of the West Columbia field for the past week was distributed about as follows:

	Barrels
The Texas Company	18,920
Humble Oil & Ref. Co.	5,000
Gulf Production Company	1,100
Hyde Production Company	750
The Sun Company	395
Crown Oil & Refining Co.	250
Southern Petroleum Company	170
Monarch & Stribbling	65
United Dev. & Drilling Co.	200
Total	26,850
Last week	27,010

WEST COLUMBIA DRILLING REPORT

The Texas Co.'s Hogg 31, sdtr 2200 ft to 2275 ft, td 2985 ft; Hogg 48, sd 4160 ft; Hogg 71, sd 3740 ft; Hogg 74, bailed 3190 ft; Hogg 78, sdtr cas 2690 to 2695 ft; Hogg 79, cored 2925 ft; Abrams 8, cored 3990 ft, dr 4050 ft; Abrams 9, cored 4025 ft, dr 4060 ft; Abrams 10, cored 3155 ft, showed oil.

Humble Oil & Ref. Co.'s Japhet 8, wo, dr 2785 ft; Japhet 34, dr 3080 ft; Badge 2, dk; P. & L. 11, dr 2100 ft; Wilson 2, lcn; Melgard 4, dk; Robinson 5, sdtr 3070 ft.

Crown Oil & Ref. Co.'s Melgard 5, dr 750 ft; Olchewski 1-A, dr 2290 ft.

Helm et al's 2, sanded up and washing out.

Atlantic Oil Co.'s Wilson 1, dr 2755 ft.

Sun Co.'s Bordage 1, dr 3520 ft.

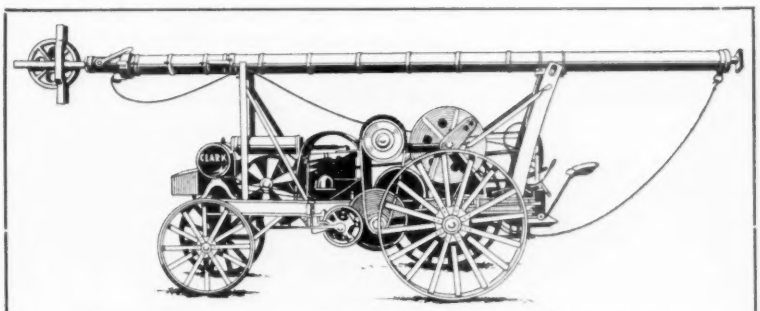
BARBERS HILL DRILLING REPORT

Humble Oil & Ref. Co.'s Fee 2, lcn; B and F 1, dr 1375 ft; B and F 2, setting up; Fee 3, lcn.

Mills Bennett's Japhet 3, rigging up; Japhet 2, dr 2500 ft.

United Pet. Co.-Oriole Synd.'s Richardson 8, dr 2165 ft.

The Texas Co.'s Scott 1, r 3980 ft; Barrow 2, dr 1600 ft.



Furnishes Its Own Power

This Clark pulling machine runs up to the well and pulls rods and tubing, or bails the well under its own power, furnished by a 30 h. p. engine.

It is economically operated, soon saves its first cost, and is the most efficient machine offered for this work.

Write us and we'll go into details as to why.

CLARK MACHINE CO.

Wichita Falls, Texas

Louisiana Operators Wonder Which Way Cat Will Jump at Sarepta

SHREVEPORT, LA., Oct. 30.—Louisiana operators are beginning the new week with their attention fixed on the Sarepta community, where the Standard Oil Company is expected to make a test within the next few days which may indicate which way the cat will jump from the Lloyd Harris discovery well. Six-inch casing was set and cemented last week at a depth of 2,632 feet in the Standard's Rawls No. 1, in section 15-22-11, Bossier Parish, located about two and a quarter miles directly south of the Llyod Harris well.

The Lloyd Harris well is now flowing at the rate of about 125 barrels of oil per day through a very small choke. It is making less than 10 per cent sediment and water.

Following the Standard's test, the next events on the calendar in this section are the Triangle Drilling Company's Allen well, in section 30-22-10, and S. S. Raymond et al's No. 1 Houston, in section 33-23-10, Webster Parish, in which, with good luck, casing may be set after another week of drilling.

"Smackover Trouble"

Morefield & Tanner, drilling on the Bolinger land in section 9-22-11, Bossier Parish, encountered "Smackover trouble" and lost their hole at a depth of only 300 feet. They are said to have penetrated a fresh water sand at 75 feet which flowed at the rate of 7,500 barrels of water per day, making it impossible to cement surface casing. They have skidded their derrick and are now drilling in their second hole.

Smitherman & McDonald are preparing to spend some Haynesville money in section 28-23-11, Webster Parish, where they have made a location for a test to be drilled on the Waller land in the southeast corner of the northeast quarter of the section, about a mile and a quarter northwest of the discovery well.

The Doheny Drilling Company is said to be preparing to drill a well in the northeast corner of the northwest quarter of the southwest quarter of section 11-22-10, Webster Parish.

Elm Grove District.

The Gulf Refining Company is drilling below 4,050 feet in its Hodges No. 11, a deep test located in section 24-16-12. A rig is being set up to drill Hodges No. 12.

The Texas Company completed another 50-barrel pumper in this district last week, Caplis No. 10, in section 23-16-12. Caplis No. 11 is awaiting the erection of pumping equipment, and the rig has been moved over to drill No. 12.

The Louisiana Gas & Fuel Company completed a 10 million cubic foot gas well at a depth of 823 feet in its Hodges B-3, in section 24-16-12, last week. This company has set six-inch casing at 787 feet in its Hodges B-4, which probably will be completed this week.

Caddo

The Louisiana Texas Community Oil Company put its Hall wildcat, located in section 33-23-16, Caddo Parish, near Vivian, on the beam on October 26. It is pumping about 125 barrels of fluid, of which about twenty-five per cent is oil.

Bellevue.

Bellevue operators feel themselves slipping, now that the Standard Oil Company has drilled down to a depth of 2,650 feet in its Wyche deep test in section 14-19-11, without, as yet, finding anything to substantiate earlier reports that a good show of light oil was observed in this well before six-inch casing was set at 2540 feet. Alternate drilling and coring is still in progress at this well.

The Standard has drilled the plug, bailed casing, and resumed drilling in its Kendrick deep test in section 22-19-11, of the Bellevue district. Six-inch casing was set in this well at 2,360 feet.

HAYNESVILLE DRILLING REPORT.

Gilliland Oil Co.'s T. W. Sherman 5 and 6, 10-23-8, dks.

Louisiana Oil Ref. Corp.'s Beene A-3, 13-23-8, wosr 2827 ft; Beene A-4, dk; Harp 4, 23-23-8, dk tmbrs.

Ohio Oil Co.'s Garrett et al 21, 24-23-8, rig; Garrett et al 23, set 10" 103 ft; S. T. Hunt 19, 16-23-8, rig; S. T. Hunt 20, lcns; S. T. Hunt 21, dk; Reeder 2, 26-23-8, rig; Seegars 6, 9-23-8, dk; T. W. Sherman 16, 15-23-8, rig; T. W. Sherman 17, lcn.

Smitherman & McDonald's Winn 3, 8-23-8, dk.

Los Angeles, Calif., Oct. 28.—Thirty-eight new wells were started in California during the week ending October 21, as shown by notices filed with the State Oil and Gas supervisor. A total of 1134 notices has been filed this year, against 1093 to the same date last year.

Quality, performance and price; and the greatest of these is—but why worry which is the greatest when in each the Williams pipe threader meets the buyer's ideal

The Williams family has many homes

GO INTO any large railroad shop, any industrial center or any mining operation, and you'll invariably find one or more members of the Williams family.

It may be the baby of the family, whose specialty is threading and cutting off pipe from ¼" to 2"; or it may be the big fellow who threads and cuts 6" to 16" pipe; or it may be one or a dozen divided among the other six members. Regardless, they all subscribe to the Williams family doctrine "to thread pipe better, quicker and at lower cost."

Do you know about the new Williams head that has added new fame to the long list of Williams achievements? It is unique in that it threads any degree and length of taper irrespective of the width of the die.

If you don't know the money-saving advantages of this Williams Patent Receding Die Head drop us a line. We suggest you do it now.

WILLIAMS TOOL CORP.
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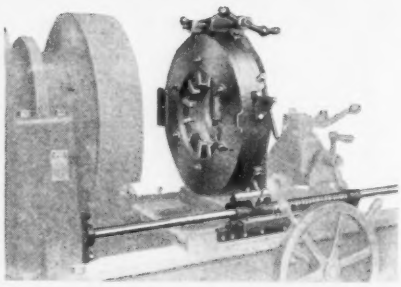

The New Williams Patent Receding Die Head

1. Any length and degree of Taper may be cut without reference to the width of the die.
2. By changing dies and taper guide any thread or taper may be cut.
3. MORE DIES are used than previously, making less work for each die.
4. Since the dies open up as the cut proceeds much less power is required.

LOUISIANA FIELDS

HAYNESVILLE PRODUCTION

Shreveport, La., Oct. 30.—The average daily production of the Haynesville field in Claiborne Parish for the past week was about as follows:

	Barrels
Ohio Oil Company	24,095
Gilliland Oil Company	6,850
Louisiana Oil & Ref. Corp.	6,450
Roxana Petroleum Corp.	1,855
Smitherman & McDonald	1,765
Standard Oil Company	1,740
Simms Oil Company	1,190
Gulf Refining Company	1,220
Amerada Petroleum Corp.	1,120
Palmer Trust	600
Humble Oil & Refining Company	500
LeVert Oil & Gas Co.	425
Houston Oil Company	415
Ziegen et al	400
W. H. C. Oil Co.	395
Transcontinental Oil Co.	375
Belchic & Laskey	375
Owl Oil Company	360
National Refining Company	300
D. C. Richardson	215
Miscellaneous	2,420
Total	52,965
Last week	55,650

HOMER PRODUCTION

Shreveport, La., Oct. 30.—The average daily production for the Homer field in Claiborne Parish for the past week was about as follows:

	Barrels
Standard Oil Company	4,130
Gilliland Oil Company	2,160
Gulf Refining Company	1,965
White Oil Corporation	1,130
Simms Oil Company	705
Arkansas Natural Gas Co.	650
The Texas Company	615
United Okla. Oil & Gas Corp.	470
Louisiana Oil Ref. Corp.	360
Sinclair Oil Company	300
Miscellaneous	1,235
Total	13,750
Last week	13,775

BELLEVUE SHALLOW FIELD

Shreveport, La., Oct. 30.—The average daily production in the Bellevue Shallow Field in Bossier Parish for the past week was divided approximately as follows:

	Barrels
Gulf Refining Company	1,490
Standard Oil Company	1,260
R. L. Autrey	810
Louisiana Oil Refining Corp	585
R. O. Roy & Company	460
Humble Oil & Refining Co.	300
Chandler & Collins	110
Sun Company	30
Total	5,045
Last week	4,570

ELM GROVE PRODUCTION

Elm Grove	1,220

Following is a distillation test of the Louisiana-Texas Community Oil Co.'s No. 1 Hill in section 33-23-16, Caddo Parish, La., depth 2824 feet:

Chalk rock crude 29 Gravity, 2% B. S. and W.
Initial Boling Point 198
Color, Black
Yield—
6.20% Gasoline, 59 Gravity
26.50% Kerosene, 45.4
65.30% Residuum or fuel
2.00% Loss.

Gasoline

Gravity	59
B. P.	190
E. P.	470

Kerosene

Gravity	45.4
Flash	130
Fire	150
Cold test on fuel	56

LOUISIANA COMPLETIONS.

Company, well, location	Initial Production Bbls.	Depth
Haynesville Field—		
Louisiana Oil Ref. Corp T. W. Sherman A-4, 10-23-8	240	2825
Ohio Oil Company		
H. P. Camp 12, 15-23-8	20	2843
H. P. Camp 13, 15-23-8	25	2836
J. L. Garrett et al 20, 24-23-8	150	2855
J. L. Garrett et al 22, 24-23-8	200	2857
S. T. Hunt 18, 16-23-8	90	2825
J. R. Sherman 6, 23-23-8	150	2843
T. W. Sherman 15, 16-23-8	70	2808
Owenwood Oil Corporation Camp 2, 19-23-8	‡	2781
Standard Oil Co. Aiken 5, 26-23-8	150	2825
Total, 10 wells	1095	
Bellevue Field—		
Gulf Ref. Co. Bliss & Weatherbee A-11, 15-19-11	50	344
Sun Co. Smith 1, 26-19-11	20	332
Total, 2 wells	70	
Elm Grove District—		
Louisiana Gas & Fuel Company Hodges B-3, 24-16-12	¶10	823
The Texas Company Caplis 10, 24-16-12	50	1552
Caddo Parish—		
Louisiana-Texas Community Oil Co. Hill 1, 33-23-16	35	2759

BULL BAYOU PRODUCTION

Sherevport, La., Oct. 30.—The average daily production for the Bull Bayou field for the last week was approximately as follows:

	Barrels
Gulf Refining Company	1,680
The Texas Company	990
Foruna Oil Company	985
Continental Asphalt Company	580
Standard Oil Company	165
Sinclair Oil Corporation	90
Simms Oil Company	20
Miscellaneous	1,615
Total	6,145
Last Week	6,200

MONROE DISTRICT DRILLING REPORT.

Ouachita Parish

Atlas Oil Co.'s West Virginia 1, 34-9-5, to test gas sand 2243 ft.

Fortuna Oil Co.'s Morrison 1, 2-19-4, set 8" 1067 ft.

Haynes Oil Co.'s Dixie Lumber Co. 1, 34-17-5, set 10" 187 ft. Huber Carbon Co.'s Haire 1, 6-18-5, dr 1715 ft.

Montgomery Drlg Co.'s Miller 1, 19-18-5, plugging off sw 2395 ft.

Nelson Carbon Co.'s Fee 7, 20-19-5, dr 400 ft.

Ouachita Natural Gas Co.'s Walker 2, 32-19-5, dr 1510 ft.

Potts et al's Stanley 1, 32-19-5, set 6" 2184 ft.

Southern Carbon Co.'s Fee 15, 21-19-5, dr 1050 ft; Fee 16, dr 1210 ft.

The Texas Co.'s Gibbs 1, 29-15-5, dk; O'Neill 1, 33-19-5, set 6" 2140 ft. Texas-Louisiana Carbon Co.'s Fee 1, 4-19-5, set 8" 1030 ft.

Morehouse Parish

Mohawk Oil Co.'s Marlett 1, 19-20-6, sd 1225 ft.

Richland O. & G. Co.'s West 1, 10-18-6, dr 2255 ft.

Southern Carbon Co.'s Fisher 3, 33-21-5, dr 2190 ft.

The Texas Co.'s Tensas 3, 10-20-4, fsh 2168 ft.

United O. & G. Prod. Co.'s Fee 1, 3-19-5, set 8" 980 ft.

ELM GROVE DISTRICT DRILLING REPORT.

Gulf Ref. Co.'s Hodges 11, 24-16-12, dr 4060 ft; Hodges 12, rig.

Louisiana Gas & Fuel Co.'s Hodges B-4, 24-16-12, set 6" 787 ft.

Lakeside O. & Gas Co.'s Fee 1, 17-16-10, set 6" 2470 ft.

R. O. Roy & Co.'s Caplis 6, 23-16-12, sd 1558 ft.

The Texas Co.'s Caplis 11, 23-16-12, wosr 1552 ft; Caplis 12, rig; Caplis 13, lcn.

STEPHENS DISTRICT DRILLING REPORT.

Columbia County, Arkansas

Cox Oil Enterprises's Russ 1, 14-16-20, dk.

Haskell et al's Webfer 2, 24-15-20, dr 1730 ft.

Murphy et al's Booth 1, 34-16-19, sd 665 ft; Wilson 1, 17-16-19, dr 250 ft.

Queenan-Wells-Dudney Synd.'s Hammond 1, 35-15-20, lcn.

Tate et al's Booth 1, 34-16-19, dk; Hall 1, 11-15-20, sd 2450 ft. Transcontinental Oil Co.'s Curry 1, 5-16-19, re-set 6" 2625 feet.

CADDO PRODUCTION

Shreveport, La., Oct. 30.—The average daily production for Caddo Parish last week was approximately as follows:

	Barrels
Gulf Refining Company	2,990
Standard Oil Company	1,885
The Texas Company	1,580
Dixie Oil Company	1,250
Fortuna Oil Company	425
Louisiana Oil Refining Corp.	255
Caddo Central Oil & Ref. Co.	250
White Oil Corporation	55
Miscellaneous	2,865
Total	11,555
Last week	11,105

STANDARD

Seamless Upset Rotary Drill Pipe

In Stock at Warhouses of

REPUBLIC SUPPLY CO.
CONTINENTAL SUPPLY CO.
FRICK-REID CO.

California:

ASSOCIATED SUPPLY CO.
REPUBLIC SUPPLY CO.

Standard Seamless Tube Co.
Pittsburgh, Pa.

CADDO DRILLING REPORT.

Alabama Pet. Co.'s Barlow 1, 5-21-15, set 4½" 2810 ft; Ramft 1, 33-23-15, sd 1063 ft. Amerada Pet. Corp.'s Jolly 1, 27-22-15, plugging back to 3211 ft. Arkansas Nat. Gas Co.'s Ardis-Lay 253, 36-22-15, dr 2425 ft. Austin Oil Co.'s Jolly 4, 21-22-15, lcn.

Belchic & Laskey's Noel 1, 25-21-15, sd 2390 ft.

Chandler & Trahan's Jolly 1, 22-22-15, set 4½" 2887 ft.

Dixie Oil Co.'s Noel B-2, 19-21-14, dr 2740 ft; Robertshaw 1, 13-21-15, sd 3028 ft; Robertshaw 47, 11-21-15, dr 1650 ft; Robertshaw 48, 13-21-15, dr 1550 ft.

Fortuna Oil Co.'s Hampton A-2, 14-21-15, dr 2625 ft; Robertshaw 11, 23-21-15, rigging up tools, 2668 ft; Robertshaw 15, 23-21-15, plugging off sw 2194 ft; Robertshaw 16, set 6" 2680 ft.

Gulf Ref. Co.'s Herndon 1, 15-21-15, dr 2865 ft; Lane 14, 12-21-15, dry 1706 ft; Tyson 7, 14-21-14, dr 2510 ft.

McCarty et al's Seaman-Bradford 1, 34-21-15, set 6" 1260 ft.

Oregon P. & R. Co.'s Oden 1, 27-19-14, dr 2965 ft.

EL DORADO DRILLING REPORT.

Associated P. & R. Co.'s Thurkhill 3, 28-18-15, wosr 2149 ft; Carroll 5, 28-18-15, waiting for cas 2070 ft.

Barton et al's Willett 1, 18-17-16, sw 2200 ft. Benninger et al's Snowden 2, 20-18-15, rig sd. Big 4 Oil Co.'s Cranston 2, 19-17-14, set 6" 2138 ft; Rogers 1, 17-18-17, waiting for cas 1946 ft. Biles & Wilroy's Brown 1, 20-17-14, dk. Bondurant et al's Stegall 1, 31-18-12, dr 1565 ft. Brown Oil Co.'s Nash 1, 3-19-15, wosr 2151 ft. Burke & Gann's Murphy 4, 20-17-14, dr 1475 ft.

Chew et al's Kelly 1, 9-17-14, dk tmbrs. E. L. Coleman's Pendleton 2, 21-18-15, sw 2142 ft., sd; Pendleton 4, dr 2155 ft.

Constantine Ref. Co.'s Burns 1, 12-18-16, sd 2193 ft; Goodwin 2, 37-17-16, dk; Hinson 6, 7-18-15, set 6" 2170 ft; Martin 1, 1-18-16, dry 2190 ft; Robinson 5, 6-18-15, dk. Cooper & Stewart's Burns 1, 32-18-15, wosr 2186 ft.

Davis et al's Snowden 2, 20-18-15, dr 1625 ft.

Equitable Pet. Co.'s Barton 1, 33-17-15, set 6" 2042 ft.

Frank et al's Murphy 2, 20-17-14, set 6" 2140 ft.

Gardner et al's West 4, 19-17-14, dr 400 ft.

Hunt et al's Moody 2, 19-17-14, dr 1300 ft.

Magnolia Pet. Co.'s Ingram 1, 20-17-15, dr 1515 ft. Mays et al's Moody 1, 19-17-14, rig; Moody 2, dk. Morris Drlg Co.'s Kinard 1, 32-18-14, dk; Robinson 1, 32-18-14, sd 2347 ft; Rowland 2, 28-18-15, plugging off sw 2152 ft; Rowland 3, testing 2115 ft. Mutual Oil Co.'s Spooner 2, 29-19-16, fsh 750 ft. McDuff & Greenwood's Newson 6, 5-18-15, wosr 2129 ft. McMurray Drlg Co.'s Brown 2, 20-17-14, dr 1260 ft.

Oil Operators Trust Co.'s Murphy 1, 7-16-15, rig. Ozark Oil Co.'s West 1, 19-17-14, wosr 2178 ft; West 2, set 10" 160 ft.

Richardson et al's Cabiness 1, 3-19-15, wosr 2161 ft. D. C. Richardson's Murphy B-1, 20-17-14, set 6" 2120 ft; Murphy B-2, set 10" 171 ft. Rooker et al's Dumas 1, 15-17-16, wosr 2142 ft.

Watkins et al's McGough 1, 29-17-14, dr 1720 ft. Weiss et al's Allen 1, 18-17-14, dr 110 ft. White Oil Corp.'s Armstrong 14, 31-17-15, rig. Woodley Pet. Co.'s Van Hook 4, 7-18-14, set 6" 2143 ft; Townsend 1, 6-18-14, set 6" 2153 ft; Horton 1, 2-18-15, wosr 2151 ft.

Zoder et al's Moody 2, 17-17-14, dk.

Deep Tests, El Dorado District

Carlton & Owens' McGowan 1, 16-17-13, sd 2508 ft.

Constantine Ref. Co.'s Trimbel 1, 1-18-16, dr 2795 ft.

El Dorado Natural Gas & Pet. Co.'s Frazier 2, 1-18-16, dr 2125 ft.

Frost Oil Co.'s Lawton 7, 36-17-16, sw 2914 ft, will deepen.

Humble O. & R. Co.'s Webb 1, 6-18-13, coring 2862 ft.

Love Pet. Co.'s Miles 1, 35-17-16, coring sand 2665 ft.

McLaughlin Oil Co.'s Stowe 1, 5-17-13, sd 2960 ft.

Morgan et al's Mellor 1, 1-18-16, dr 2250 ft.

Olvey et al's Mann 4, 29-18-15, dr 2835 ft.

Rooker et al's Yarbrough 1, 2-17-16, dr 2810 ft.

Southern O. & L. Co.'s Armstrong 11, 31-27-15, sd 2956 ft.

Standard Oil Co.'s Trimbel 2, 1-18-16, swabbing oil and sw 2946 ft.

Terry Summerfield Oil Co.'s Green 1, 19-19-15, to test sand at 2950 ft.

SOUTH LOUISIANA PRODUCTION

Lake Charles, La., Oct. 30.—The daily average production of the South Louisiana fields for the past week was divided about as follows:

	Past Week	Prev. Week
Vinton	4625	4500
Evangeline	520	520
Edgerly	310	320
Anse La Butte	120	90

SOUTH LOUISIANA COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Vinton—		
Gulf Ref. Co. Vincent 26	*	3350
Texas Co. Gray 17	200	2265

SOUTH LOUISIANA DRILLING REPORT

Vinton

Edgerly Pet. Co.'s Lasso 1, 4-inch cas stuck, going over with 6-inch.

Just Oil & Ref. Co.'s Rodgers 1, sd 3975 ft.

Vinton Pet. Co.'s Rescue 9, dr 1320 ft.

Tanner Oil Co.'s Vincent 1, dr 3850 ft.

The Texas Co.'s Gray 18, rig up.

Seiss Syndicate's Green Acre 5, dr 2155 ft.

Vinton Pet. Co.'s Gray 40 acre 1, dr 4255 ft.

G. F. B. Oil Co.'s Lucky Four 4, dr 2425 ft.

Edgerly

Coastal Pet. Co.'s Hunter 1, dr 2955 ft.

Gulf Ref. Co.'s Bright Penn 38, dr 4850 ft.

Evangeline

C. O. & F. Oil Co.'s Fee 86, dr 3535 ft.

St. Martinsville

Gulf Ref. Co.'s Levert St. John 1, dr 2630 ft.

Bouillon Bayou

Gulf Ref. Co.'s Hope Oil Co. 3, sdtr 1230 ft.

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Doubtless we have asserted a lot of things about PELCO Bits, and it may be that you relish, now and then, a bit of proof of the truth of our statements.

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M. Ind. Rgtrda. TRADE PELCO MARK *Reg. U. S. Pat. Office*

Two Rip-Roarers for Smackover

One new well is good for 11,500 barrels in Arkansas pool

EL DORADO, ARK., Oct. 30.—Two real, rip-roaring wells were completed in the Smackover Field last week. In section 29-15-15, a quarter of a mile southwest of the discovery well, and offsetting the Woodley Petroleum Company's big Richardson well reported in this column last week, the Simms Oil Company brought in its No. 1 Tom Murphy, which was quickly shut in because of a lack of storage after it had flowed for one hour at the rate of 11,500 barrels of oil per day.

The Arkansas Natural Gas Company's No. 2 Laney, in section 31-15-15, blew in yesterday afternoon with an estimated initial production of about 7,500 barrels of oil and ten million cubic feet of gas per day. It quickly cut its connections, and is now blowing wild.

The Arkansas Natural also completed its No. 1 and No. 3 Laney on the same lease last week, the initial productions having been reported as 3,000 barrels and 200 barrels, respectively.

The McMurray Drilling Company completed a 2 million cubic foot gasser, spraying about 50 barrels of oil, on its Laney lease in section 31-15-15, which adjoins the Arkansas Natural's Laney lease on the east.

The Humble Oil & Refining Company completed its first well in the Smackover field last week, its No. 1 Laney, in section 31-15-15, which came in as a gasser spraying oil from 25 feet of sand at a total depth of 2,020 feet.

Newton et al extended the field by a quarter of a mile to the north of the Berry & LeGrande extension by completing a gasser spraying oil on its Poole lease in section 25-15-16, Ouachita county.

The Standard Oil Company completed its Murphy B-2, in section 28-15-15, with an initial production reported as 180 barrels of oil per day from 4 feet of sand at a total depth of 2,047 feet.

Shreveport, La., Oct. 31.—It is estimated that J. W. Oliver's No. 1 McDonald, located about one-quarter of a mile west of the northeast corner of section 1-16-16, Ouachita County, Arkansas, which came in Monday and flowed three-quarters of an hour before being shut in for storage, will prove to be the biggest well yet completed in the Smackover field. Its flow appeared to be greater than that of either the Simms or Woodley wells in section 29-15-15. The sand was encountered considerably higher than in other Smackover wells as the bit was still in the sand after penetrating 40 feet into the pay at a total depth of 1999 feet. This completion extends the field three-quarters of a mile south of the producing wells surrounding the Berry & LeGrande extension. The new well is three and one-quarter miles east of the Pat Marr extension.

Southwest Extension.

That the area around Pat Marr's Saxon extension in section 4-16-16, Union county, is in for a fast play is indicated by the number of new locations made there last week.

Marr and associates are rigging up to drill their Saxon No. 2 in section 4-16-16, Union County; and they have built a derrick for a third well on this same lease. They are drilling at 575 feet in their No. 1 Primm, in section 2 of the same township.

The Harris Drilling Company is rigging up to drill a well on the McElroy land in the same section as the Marr extension.

Crawford & Sebastian are rigging up to drill a well on the Williams land in section 21-16-16, Union County, located three and a quarter miles south of the Marr extension.

The Blue Grass Syndicate is rigging up to drill on the Primm land in section 1-16-16; and the Edmonton Syndicate is preparing to drill a well on the Primm land in section 2-16-16, Union County. These wells are in the immediate vicinity of the town of Smackover.

The Oil Operators Trust Company, which blazed the trail which led to the discovery of the Smackover Field by opening up the gas field in section 8-16-15, Union County, is rigging up to drill a well on the Murphy land in section 7-16-15, probably in an effort to develop an oil well which will enable it to cash in on its discovery.

The El Dorado Union Oil Company is drilling at around 1,700 feet in its No. 1 La Grone, in section 36-15-17, located about three miles northwest of the Marr extension.

The El Dorado Natural Gas & Petroleum Corporation is drilling below 2,500 feet in its Vinson Tatum deep test in section 11-16-16, Union County.

El Dorado Deep Tests.

The Standard Oil Company is trying hard to make a well from 2 feet of sand at 2935-37 feet in its Trimbel deep test in section 1-18-16, Union County. The hole has in it about 1100 feet of oil and about the same amount of salt water, which cannot be lowered very much by swabbing.

The Love Petroleum Company is taking cores of a sand found at 2665 feet in its Miles deep test, in section 36-17-16, Union County.

The Terry Summerfield Oil Company is preparing to test a sand found at 2950 feet in its Green deep test in section 19-19-15, Union County.

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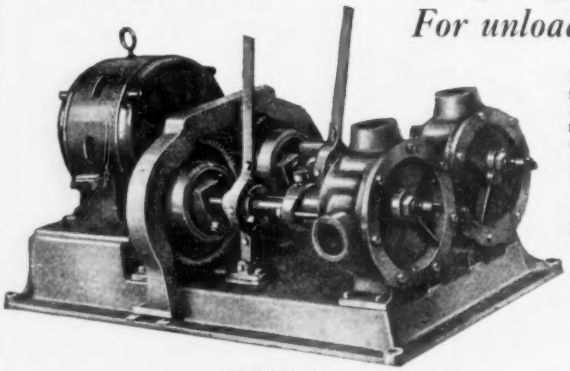

FIGURE 14

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SOUTHERN ENGINE & PUMP CO.
HOUSTON, TEXAS

TURMAN NET INCOME MORE THAN MILLION

New York, N. Y., Oct. 28.—Turman Oil Company's gross income for the 12 months ended August 31, last, totalled $1,508,540 and net income for the period amounted to $1,193,564 as indicated by a statement issued by the company. During the year dividends amounting to $459,262 were paid, $25,000 was reserved for Federal taxes and other purposes and there remained a balance of $709,302 which is subject to depletion.

Assets are given as $8,407,760 with $4,629,284 par value of stock outstanding. The surplus is given as $3,750,975 and cash and receivables as $383,015 and accounts payable as $27,501. Turman is a subsidiary of Middle States Oil Corporation which took over the holdings in September, 1921.

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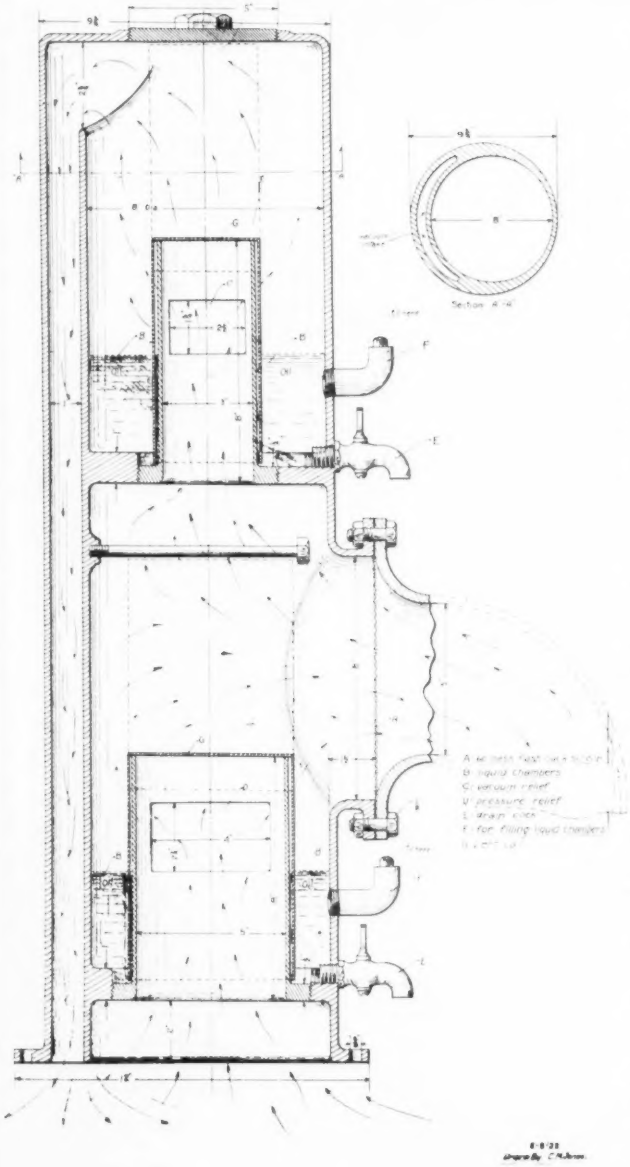

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ARKANSAS COMPLETIONS

Company, well, location	Initial Production Bbls.	Depth
El Dorado Field—		
Burke & Gann Murphy 3, 20-17-14	150	2178
Hunt et al Moody 1, 19-17-14	135	2140
D. C. Richardson Murphy 3, 20-17-14	200	2153
Total, 3 wells	485	
Smackover Field—		
Arkansas Natural Gas Company		
Laney 1, 31-15-15	3000	2022
Laney 3, 31-15-15	200	2033
Humble Oil & Refining Company Graves 1, 28-15-15	¶5-5	2020
McMurray Drilling Co. Laney 1, 31-15-15	¶2-50	2038
Newton, Trustee Poole 1, 25-15-16	¶5-10	2041
Simms Oil Co.		
Tom Murphy 1, 29-15-15	11,500	2054
McKenzie 1, 36-15-16	¶1-75	2015
Standard Oil Co Murphy B-2, 28-15-15	180	2047
Total, 8 wells	¶13-15,020	

SMACKOVER DRILLING REPORT.

Ouachita County, Impending Tests

Arkansas Natural Gas Co.'s Laney 2, 31-15-15, testing 24 ft sand at 2009 ft.

Arkansas Natural Gas Co.'s Laney 4, 31-15-15, fishing for bailer to test 36 ft sand at 2027 ft.

Baker & Dean's Laney 1, 30-15-15, tested cas, 1935 ft.

Berry & LeGrande's Laney 2, 31-15-15, set 6" 1910 ft.

Berry & LeGrande's Laney 3, 31-15-15, set 6" 1904 ft.

Berry & LeGrande's McKenzie 2, 36-15-16, set 6" 1908 ft.

Bradstreet Oil Co.'s Poole 1, 25-15-16, set 6-in 1908 ft.

Houston Oil Co.'s Murphy 1, 28-15-15, set 6-5/8" 1976 ft.

J. W. Olvey et al's McDonald 1, 1-16-16, set 6-in 1897 ft.

Roxana Pet. Corp.'s Murphy 1, 28-15-15, testing 15 ft sand at 2056 ft.

Roxana Pet. Corp.'s Murphy 2, 28-15-15, set 6-5/8" 1952 ft.

Simms Oil Co.'s Hirsch 1, 31-15-15, testing 21 ft sand at 2120 ft.

Standard Oil Co.'s Murphy B-3, 29-15-15, set 6" 1975 ft.

Standard Oil Co.'s Murphy B-4, 29-15-15, set 6" 1974 ft.

Texas Pacific Coal & Oil Co.'s Laney 1, 31-15-15, set 6" 1887 ft.

Other Drilling Wells.

Arkansas Nat. Gas Co.'s Spaha 1, 35-15-16, rig.

Bailey et al's Rhoten 1, 32-15-15, skidded over and dr at 50 ft. Baker et al's Murphy 1, 28-15-15, sw 2024 ft. Baker, Trustee's Usrey 1, 36-15-15, dr 2400 ft. Berry & LeGrande's Laney 1, 31-15-15, dr 515 ft; Laney 4, dr 1750 ft; McKenzie 3, 36-15-16, dk; McKenzie 6, sd 25 ft.

Dasko et al's Berg 1, 20-15-15, dk; McKenzie 2, 36-15-16, rig.

Forrest Oil Co.'s Goodwin 1, 29-15-15, dk; Lewis 1, 36-15-16, dr 1800 ft.

Gulf Ref. Co.'s Goodwin 1, 32-15-15, dk tmbrs; Johnson 1, 29-15-15, dr 1800 ft; Johnson 2, set 10" 250 ft; Johnson 3, set 10" 270 ft; Johnson 4, dr 75 ft; Umstead 1, 32-15-15, dk; Umstead 2, rig; Umstead 3, dk.

Hirsch et al's Fee 1, 25-15-16, dr 815 ft. Houston Oil Co.'s Cunningham 1, 25-15-16, set 10" 520 ft; Laney 1, 31-15-15, lcn. Humble Oil & Ref. Co.'s Arnold 1, 25-15-16, dr 45 ft; Hirsch 1, 25-15-16, dr 125 ft.

E. M. Jones's Laney 2 and 3, 31-15-15, rig.

Marr & Morris's Laney 1, 31-15-15, fresh water flow at 500 ft. Morris et al's Laney A-1, 31-15-15, fsh 1300 ft. McMurray et al's Hirsch 1, 25-15-16, dr 85 ft; Laney 2, 31-15-15, dr 1800 ft; Laney 3, dk; Laney 4, dk tmbrs.

J. W. Olvey et al's Umstead 1, 30-15-15, dr 1600 ft.

Palmer et al's Laney 1, 36-15-16, dr 1200 ft. Pure Oil Co.'s Brewster 1, 28-15-15, dk.

Roxana Pet. Corp.'s Murphy 3, 28-15-15, dk.

Neill Scroggins's McKenzie 1, 36-15-16, sd 1963 ft. Simms Oil Co.'s Goodwin 1, 29-15-15, dk tmbrs; Goodwin 2 and 3, dks; Hirsch 2, 31-15-15, dk; Laney A-1, 31-15-15, dk; Laney B-1, 31-15-15, rig; Laney C-1, 31-15-15, dr 50 ft; F. A. Laney 2, 31-15-15, dr 1415 ft; F. A. Laney 3, dk; D. S. Laney 1, 31-15-15, rig; D. S. Laney 2, dr 1345 ft; McKenzie 2 and 3, 36-15-16, lcns; McKenzie 4, 36-15-16, rig; McKenzie A-1, 36-15-16, set 15½" 37 ft; McKenzie A-2, dr 500 ft; McKenzie A-3, rig; McKenzie A-4, dr 350 ft; J. E. Murphy 3 and 4, 28-15-15, dks; Tom Murphy 2 and 3, dks; Nannie Murphy 1, 29-15-15, rig; Nannie Murphy 2, dk; Sinclair Oil Co.'s Laney 1, 30-15-15, dr 1200 ft; Lanahan 1, 36-15-16, set 12½" 120 ft. E. L. Smith et al's Bradley 1, 30-15-15, dr 810 ft. Smith & Wheelock's McKenzie 1, 36-15-16, dr 1300 ft. Standard Oil Co.'s Johnson 1 and 4, 20-15-15, dks; Murphy B-5, 29-15-15, set 10" 203 ft; Murphy B-6, dk.

Sun Co.'s Johnson 1, 30-15-15, setting 10" 520 ft.

Texas Pacific Coal & Oil Co.'s Laney 2, 31-15-15, rig; Laney 3, dk; Laney 4, lcn. Thompson et al's McDonald 1, 1-16-16, flowing fresh water 1400 ft. The Texas Co.'s Berry 1, 33-15-15, dk; McKenzie 1, 36-15-16, dr 55 ft; McKenzie 2, rig.

V. K. F. Drilling Co.'s Richardson 3, 29-15-15, dr 300 ft; Richardson 4, dk.

Woodley Pet. Co.'s Richardson 2, 29-15-15, dk.

Union County.

Blue Grass Synd.'s Primm 1, 1-16-16, rig.

Crawford & Sebastian's Williams 1, 21-16-16, rig.

Edmonton et al's Primm 1, 2-16-16, dk. El Dorado Natural Gas & Pet. Co.'s Vinson Tatum 1, deep test, 11-16-16, dr 2525 ft.

Gladys Belle Oil Co.'s Duke 1, 16-16-15, dk tmbrs.

Harris Drlg Corp.'s Murphy 1, 35-15-16, dk; McElroy 1, 4-16-16, rig.

Marr et al's Primm 1, 2-16-16, dr 570 ft; Saxon 2, 4-16-16, rig; Saxon 3, dk.

Oil Operators Trust Co.'s Murphy 1, 7-16-15, rig.

BELLEVUE DRILLING REPORT.

Humble O. & R. Co.'s Bliss & Weatherbee B-3, 14-19-11, lcn.

Louisiana Oil Ref. Corp.'s Bodcau A-9, 15-19-11, sd 1080 ft.

R. O. Roy & Co.'s Scanlan 7, 8, and 9, 15-19-11, lcns.

Standard Oil Co.'s Kendrick B-1, 22-19-11, testing cas 2362 ft; McKinney 1, 14-19-11, dk; Wyche 2, 14-19-11, dr 2640.

New York, N. Y., Oct. 28.—Application has been made to the Stock Exchange to list 5,500,000 shares of common stock (no par value) of Sinclair Consolidated Oil Corporation.

ARKANSAS PRODUCTION

El Dorado

El Dorado, Ark., Oct. 30.—The average daily production for the Arkansas fields for the last week was approximately as follows:

	Barrels
Standard Oil Company	1,960
Gulf Refining Company	1,900
Arkansas Natural Gas Company	800
Humble Oil & Refining Co.	775
Constantine Refining Company	750
Phillips Petroleum Company	700
El Dorado Nat. Gas & Pet. Co.	650
Sun Company	525
Johnson Drilling Company	485
Detroit Summerfield Oil Co.	475
Livingston Oil Corporation	440
Magnolia Petroleum Company	440
Gladys Belle Oil Company	425
F. C. Henderson	400
Woodley Interests	340
Amerada Petroleum Corporation	355
Arkansas-Invincible Oil Corp.	355
White Oil Corporation	325
Enfisco Oil Company	315
Caddo Cent. Oil & Ref. Corp.	305
Hudson Oil Company	275
Pure Oil Company	275
Southern Oil & Land Co.	250
J. S. Richardson	225
Associated Prod. & Ref. Corp.	225
Johnson et al	225
Clark & Greer	215
Henry Hobbs	200
Miscellaneous	9,450
Total	24,060
Last week	25,100

Smackover

Berry & LeGrande	7,020
V. K. F. Drilling Company	3,010
Standard Oil Company	2,210
Simms Oil Company	1,980
Miscellaneous	300
Total	14,520
Last week	8,215

London, Eng., Oct. 24.—Registered here with a nominal capital of £1,000,000 in £1 shares, the Agwi Oil Marketing Company has been formed with Sir John Davies as chairman and H. Davies and N. Dun as directors. All of these are officials of the Agwi Petroleum Corporation.

The shares of the new concern will be made up of 700,000 A shares and 300,000 B shares.

The company will conduct an importing and exporting business in oils and also will undertake the building of pipe lines, factories, trading stations, pipes, stores, depots, shops, etc.

St. Louis, Mo., Oct. 28.—American Petroleum Institute's third annual gathering will convene at the Hotel Statler in St. Louis December 6 and continue through to December 8. The preliminary program will be announced shortly.

Empire Has Daily Output 28,000 Barrels

New York, N. Y., Oct. 30.—The Empire Gas and Fuel Company reports net earnings for the nine months ending August 31, 1922, available for bond interest and reserves of $8,327,587. Based on current earnings, net for the year ending November 30, 1922, will be approximately $10,500,000.

The balance sheet of the company shows an excess of current assets over current liabilities amounting to $19,720,000, of which cash alone was sufficient to pay off all current liabilities. Since the refinancing done by the company in November, 1921, its bonded debt has been reduced $7,300,000, and this will be reduced $1,300,000 more the first of next month. This reduction in bonded debt means a decrease of $229,500 in annual interest charges, which will then total $3,876,540.

Present daily production of crude oil is approximately 28,000 barrels. Pipeline subsidiaries of Empire Gas and Fuel Company are transporting about 35,000 barrels of crude oil a day, while the amount of refined products being marketed is more than double the 1921 record.

In the past fifteen months the company has added to its proved underground reserves of crude oil 25,000,000 barrels more than the amount taken out; and the total of such reserves, which were estimated at 135,000,000 barrels as of June 30, 1921, has, therefore, been increased to 160,000,000 barrels.

Henry L. Doherty, President of Empire Gas and Fuel Company, in commenting upon its favorable condition, said:

"The day is almost at hand when the producer of crude oil will reap his harvest, and the Empire Gas and Fuel Company with its immense reserves and its very strong financial position will be able to take the fullest advantage of every opportunity presented in the petroleum industry. The outlook on the whole is exceedingly encouraging. When it is remembered that the consumption of petroleum products fell off scarcely any in the year 1921, when business came to a standstill, it must be obvious how great will be the demand for petroleum products under present conditions of very active business. This fact added to the continuous decline of Mexican oil production shows what is in store for American producers of crude oil."

HALF MILLION FEET OF SUCKER RODS BIG ORDER

Tulsa, Okla., Oct. 30.—Orders for two lots of 250,000 feet of Axelson sucker rods have just been completed here through the Frick-Reid Supply Company.

The Magnolia Petroleum Company received slightly more than the quarter million feet of rods, delivery being made at various supply bases of the company.

The order executed by the Gypsy Oil Company was for 250,000 feet of sucker rods. Delivery is now being made. Part of the order is going to the Gulf Production Company for use in Texas fields.

These two orders came shortly after the Phillips Petroleum Company of Bartlesville had received 250,000 feet of sucker rods from the plant of the Axelson Machine Company.

EMPIRE ONLY ASKS FOR FOUR MILLION IN DAMAGE SUIT

Bartlesville, Okla., Nov. 1.—Suit for alleged damages totalling $4,065,782.52 has been filed in the district court in Washington county, Oklahoma, by the Empire Natural Gas Company against the Owen-Osage Oil and Gas Company. The complaining petition alleges that the Owen-Osage company entered into an agreement with the Empire Natural Gas to supply to the latter company gas produced on the Owen lease in Osage county.

The Empire Natural Gas alleges the agreement was not maintained and that the Owen-Osage diverted large quantities of the gas from the lease to industrial consumers elsewhere. Empire Natural Gas is a subsidiary of the Empire Gas and Fuel Company which is controlled by Cities Service Company.

Tulsa, Okla., Oct. 30.—The new building of the Ryan Motor Company, which will house uptown offices of the Oil Well Supply Company, is rapidly nearing completion. Temporary quarters are being maintained in a part of the building by the Oil Well Supply at the present time.

When completed the Oil Well Supply offices will be one of the most commodious in Tulsa and will adjoin the city offices of the Republic Supply Company on South Main street.

Bartlesville, Okla., Oct. 28.—For the three months period ended September 30, last, Phillips Petroleum Company reported operating income of $2,982,313. Net profits of $2,060,737 before depletion and depreciation remained after deducting general expenses, taxes and interest of $921,576.

CHAPMAN Valves

Cast Steel Drilling Gates

TESTED TO 2500 POUNDS. Every valve tested to 2500 pounds per square inch (a 24-hour test) before leaving the factory.

MORE THAN DOUBLE THE STRENGTH OF CAST IRON. Chapman cast steel has a tensile strength of 65,000 pounds per square inch (elastic limit not less than half the tensile strength). This permits the use of lighter construction—thus the Chapman steel drilling gate is

LESS THAN HALF THE WEIGHT OF CAST IRON VALVES. Easy to handle in the field, lower transportation charges, etc.

Large stocks of these valves in Beaumont

Write for full information on the last word in drilling valves. Also Catalog No. 40, describing our complete line of valves for all phases of the oil industry.

The Chapman Valve Manufacturing Co.

INDIAN ORCHARD, MASS.

Houston Office: Beatty Building. Phone: Preston 6939

Allen County Getting Heavy Play In Western Kentucky Division

WINCHESTER, KY., Oct. 30.—Kentucky operators have been pushing development work during the good weather of the past week, the figures showing a total of 76 completions, with nine dry holes, one gas well, with 2,000,000 cubic feet, and a new initial production of 1,081 barrels. This is a heavy increase in all branches of the development work over the previous week which proved one of the light weeks of the year.

There has been some talk of a shut down in Kentucky, especially in the Western Kentucky field, ever since the price of crude dropped, but the present activity does not show a shut down to speak of, for there is just as many wells drilling in all the counties, with an exception of Warren County. While there are a few less wells drilling in the county, it will be noticed with in a few weeks that work will be almost as active as during the summer months, if weather conditions do not come too severe.

Allen County is now getting the heavy play of the Western Kentucky division owing to the shallowness of the oil pay sands below the shale. The 200 and 400 foot sands of Allen County are indentical with the sands from 900 to 1300 feet in Warren County.

The best completions in Allen County for the week were three 50-barrel producers, two on the Mitchell and one on the Shelton farm, all in the No Name pool, southwest of Scottville. In Warren County, the best completion was a 160-barrel flush well on the Martin lease, from a pay above the shale at 566 feet, other wells in the county running from 2 to as high as 50 barrels. In Barren County, a 25-barrel well was found by the St. Paul Oil & Gas Company on the Summers lease, and a 2,000,000 cubic foot gas well on the Charles Amost lease just outside of Glasgow. Wayne County also comes to the front with a 25-barrel well found by the Kentucky-Indiana Company on the Ramsey lease, and a big producer for that old field. Simpson County added an 80-barrel producer to its list of wells and was drilled by Phelps & Company on the Pugh 50 acres, in the Pugh pool that was famous for its big wells a year or so ago, and also in the Poteet area.

The most interesting find of the week is reported from Owsley County, near Boonville, it being the first commercial oil well developed in that county, which lies near the Lee County field and may mean the opening of a new producing pool, or an extension to the Lee County field. The well has been estimated at 50 barrels. Russell County also adds two 25-barrel wells to its list. Cumberland County failed to report a completion during the week but there are several that are getting close to the pay sand depth and will be heard from shortly. This county is destined to get one of the heavy drilling plays of Ketucky and a large amount of material for development purposes have been taken into the field by barges over the Cumberland river, and it looks as though the companies are making arrangements to do a large amount of work during the winter months. The bulk of the territory in Cumberland County has been taken up with companies and individual operators, that are well able to develop it as rapidly as they wish.

The runs of the Cumberland Pipe Line Company from the Eastern Kentucky fields for the week totalled 76,378.17 barrels, for a daily average of 12,725.70 barrels, something like 1,500 barrels a day less than for the past couple of weeks, indicating that the wells are on the decline.

KENTUCKY COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Allen County—		
Ken-La-Tex Oil Co.'s Smith-Oliver 17	10	305
Burton Bros.' Burton Bros. 2	10	432
H. A. Kiser & Co.:		
Shelton 22	25	266
Shelton 23	50	280
Russel Oil Corp.:		
Burton Bros. 6	5	430
Burton Bros. 7	5	428
White Plains Oil Co. L. E. Buchannan 7	5	380
Anderson & Co. Boswell 3	10	298
W. A. Henson & Co.:		
M. J. Lewis 14	20	280
M. J. Lewis 15	15	275
Plantation Cons. Oil Co. Carpenter-Dent 8	*	287
Friends Oil Company:		
Mitchell 16	50	255
Mitchell 17	50	210
E. M. Treat & Co. J. R. Duncan 4	3	285
Omar Oil & Gas Co. Joe Allen 4	10	410
Covington Oil Company:		
Ike Rickman 7	5	400
Ike Rickman 8	*	374
Hume & Co. L. Beam 1	*	430
J. R. English W. Motley 3	3	407
Ken-La-Tex Oil Co. Smith-Oliver 16	5	386
Apex Oil & Gas Co. Hunt 1	10	370
Keys & Co. Dennis 6	10	310
Johnson & Sandusky:		
A. E. Dyson 13	5	284
A. E. Dyson 14	10	276
A. E. Dyson 15	15	280
Thompson & Keys:		
T. Newman 1	*	347
Bud Frost 4	1	286
Albert Greer & Co. Ike Gaines 1	*	340
Bishop & Cline Cline 1	*	300
Warren County—		
Harrisburg Oil & Gas Co. Andy Belcher 6	20	1200
Plantation Cons. Oil Co. W. A. Gott 3	3	1000
E. M. Treat & Company:		
Grider-Gardner 9	12	1151
S. Smith 8	50	1247
United Petroleum Syndicate Sam Martin 10	160	566
Big Jack Oil Co. R. L. Morris 37	50	1030
Runner Oil & Gas Co. W. T. Runner 10	2	1021
J. R. Wallingfors Barnett 1	10	1087
Wellington Pet. Corp. Perkins 1	*	500
Ohio Oil Co. Jenkins-Vaughn 2	*	1047
Hunt Oil Co. Butterworth 6	5	477
Crump Oil Co. Rhodes 9	5	447
Serard Oil Synd. Lyons 4	*	500
Tex-Ken O. Co. C. A. Keller 15	10	1105
Big Bend Oil Co. Johnson 16	10	1068
Riggs, Eaton & Co. T. Almond 5	40	1096
Iseman & Davis B. Almond 6	5	1038
Iseman & Davis B. Almond 7	5	1040
Johnson-Magoffin Counties—		
Southwestern Petroleum Co.:		
Green Rice 27	7	....
Green Rice 28	6	....
Hudson & Collins Isaac Cheek 8	5	....
Bed Rock Oil Company:		
W. H. Conley 19	7	....
W. H. Conley 20	7	....
Carter Oil Co. Parish Long 2	3	....
Keaton Oil & Gas Co. D. Kelley 1	5	....
Boyd Oil & Gas Co. Jim Love 6	4	....
Rock House Oil & Gas Co. J. A. Potter 2	10	....
Wayne County—		
Kentucky-Indiana Oil Co. R. Ramsey 2	25	....
Hargrove & Co. D. Atkins 1	3	....
W. M. Graham & Co. Alexander 1	2	....
C. M. Work & Co. F. Baker 1	5	....
Connell & Co. T. Alcorn 2	3	....
Bowerman & Co. Winfrey 1	3	....
Gartland & Co. Corder 3	5	....
Abbott, Brown & Co. Conn-Wright 1	3	....
Barren County—		
Elem Oil & Gas Company:		
A. Myers 7	10	394
A. Myers 8	15	410
Lew Emery Jr. & Sons Pitcock 3	4	460
St. Paul Oil & Gas Co. Summers 3	25	620
Amos-Canner & Ross Charles Amos 1	12	510
Simpson County—		
Phelps & Co. Pugh 50 acres 5	80	544
Beckley Oil & Gas Co. Bland 6	20	500
Russell County—		
Carnahan Oil Co. Coffey 1	25	....
Carnahan Oil Co. Blakey 1	25	....
Owsley County—		
Unknown Parties Andy Combs 1	50	....
Hancock County—		
Unknown Parties C. W. Shultz 1	5	....
Lee County—		
Petroleum Exploration Co. Jim Goosey 6	*	....

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Providence, R. I.
Jacksonville, Fla.
Galveston, Texas

Forty-Five Wells Completed in Ohio During the Past Week

LIMA, OHIO, Oct. 30.—The week's work in Ohio shows a total of 45 wells completed, 6 dry holes, 9 gas wells with a casinghead volume of 13,000,000 cubic feet, and a production of 1,050 barrels, in the three distinct fields: Southeastern, Central and Northwestern Ohio.

In the Northwestern Ohio field the pays are found exclusively in the Trenton limestone formation, known as the Trenton rock, and a couple of shallow wells have been found in years gone by in the Niagara and Berea sands. Central Ohio derives its production from the Berea, Stray and deep Clinton sands, while in Southeastern Ohio there are numerous sands, such as the first and second Cow Run, Berea, Big Injun, and others. The Trenton Rock developed into one of the richest of oil sands and still producing several thousand barrels a day after producing since 1884, when the first productive well was found at the Faurot paper mill at Lima. The oil was found in the earlier days of the field at an average depth of 1205 feet from the surface and not below 100 feet in the sand, but later years pays are found as deep as 400 feet in the formation, which is known to have a thickness close to 1000 feet.

The wells of Southeastern Ohio as usual were small strippers during the week, the best being a 10-barrel well found by the Pure Oil Company on the Disher lease, in Washington County.

Central Ohio shows a vast change from the previous week, as far as oil wells of note are considered. In Perry County, the Southern Oil Company drilled in a 200-barrel well in the deep Clinton sand around 3000 feet on the McCourtney lease, while in the same county, the Burns Oil Company found a 75-barrel producer. In Licking County, the Carter Oil Company made a nice strike when it brought in a 175-barrel deep sand producer on the Austin Watts lease, and in Hocking County, from the same producing formation, the Sandy Creek Coal Company struck a 100-barrel producer on its own land. In gas wells of volume, the Holmes County field stands at the front for the week with an 8,000,000-cubic foot well from the Clinton sand on the Weldon Uhl lease, by the East Ohio Gas Company, which furnishes Cleveland with its natural fuel.

Northwestern Ohio field also has its usual good well brought in by Hance Bros., in a test in advance of developments on the Gerlock lease, in Allen township, Darke County, and between Lima and Dayton. This well shows a production of 150 barrels. The next best completion was in the Lima district of Allen County, with a production of 47 barrels, while a wildcat test in Wood County netted a 30-barrel strike.

SOUTHEASTERN OHIO COMPLETIONS

Company, well, location	Initial Production bbls.	Depth
Jefferson County—		
King & Dempsey W. D. Fell 2	*	....
Muskingum County—		
Ohio Fuel Supply Co. Frank E. Stalker 18	4	....
Pure Oil Co. John Coehogan 1	¶¼	....
Noble County—		
C. H. Ames & Co. G. Augustine 3	2	....
Geo. Hess & Son Martin Rubrake 4	5	....
Washington County—		
Ohio Fuel Supply Co. S. Vernon 1	¶¼	....
Pure Oil Co. Otto Disher 7	10	....
William Wagner & Co. J. F. Weppler 1	*	....
J. C. Carner & Co. Adam Miller 1	3	....
Joseph Kiggins W. H. Murphy 1	2	....

CENTRAL OHIO COMPLETIONS

Company, well, location	Initial Production bbls.	Depth
Vinton County—		
Pure Oil Co. Drayer-Wertz 1	¶¼	2973
Hocking County—		
Sunday Creek Coal Co. Fee 2	100	2960
Licking County—		
Carter Oil Co. Austin Watts 2	175	2910
Medina County—		
Lee A. Watson Edward Smith 9	¶¼	....
East Ohio Gas Co. C. Bauman 1	*	....
Holmes County—		
East Ohio Gas Company:		
Weldon Uhl 1	¶8	....
A. A. Leckrone 4	¶3	....
Logan Gas & Fuel Co. S. Moreland 2	¶¼	....
Perry County—		
Southern Oil Co. A. & I. McCourtney 5	200	....
Ohio Fuel Supply Co. S. H. Axline 1	*	....
John Denman & Son Pat Comiskey 12	10	....
Burns Oil Co. Burns heirs 1	75	....
Knox County—		
Carson & Co. Carey Hays 1	*	....
Snyder, Tooney & Company:		
W. P. Bebout 9	4	....
W. P. Bebout 10	4	....
Ohio Fuel Supply Co. W. T. Reichert 1	¶½	....
East Ohio Gas Co. C. G. Coleman 1	¶¼	....
Snyder, Tooney & Co. W. Sperry 5	*	....
Wisner & Co. W. B. Hance 3	5	....
Apple & Co. Mary McKee 18	5	....

NORTHWESTERN OHIO COMPLETIONS

Company, well, location	Initial Production Bbls.	Depth
Hancock County—		
Bradford Oil Co. John Byall 32	8	1297
Darke County—		
Hance Bros. George Gerlock 1	150	1517
Van Wert County—		
B. Y. J. Oil Co. Frank Custer 1	*	1382
Boyd & Stelzer A. Harp 3	15	1316
Auglaize County—		
E. E. Gandy J. L. Gearing 3	20	1346
Ohio Oil Co. E. P. LeBlond 17	2	1312
Ottawa County—		
Ohio Oil Co. Gust Gonskey 6	12	1384
Zorn-Hornung Co. Jacob Yeastings 7	12	1350
Wood County—		
Culbert & Co. Frank Blake 1	30	1394
Underwood Oil Co. L. M. Brown 4	5	1584
Allen County—		
Ohio Oil Co. J. A. Good 3	10	1319
C. A. Peavey & Co. Elias Lewis 6	5	1333
B. S. & M. J. Oil Co. Youngpeter 2	47	1342
W. L. Parmenter Mike Kimmett 4	15	1347
C. C. Apple G. E. Lamb 1	15	1336

Washington, D. C., Oct. 28.—Consular advices here are that the Roumanian government is soon to adopt a more liberal policy towards foreign undertakings, particularly as to oil development within the country. Government officials in Roumania are understood to be committed to this policy.

INDIANA COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Gibson County—		
Peoples Petroleum Co. O. M. Welborne 1	30	1465
Grant County—		
Central Exploration Company:		
Ira Whitlock 3	10	1137
Ira Whitlock 4	10	1142
Delaware County—		
Henry Kuhn & Co. W. H. Naylor 1	*	1100
Wooster Oil Co. W. J. Clark 1	*	1060
Premier Pet. Corp. S. A. Clark 1	*	1100
Randolph County—		
Renberger & Loy John Parrett 5	10	1094
Clifford Oil Co. S. A. Ream 2	5	1094
D. F. Mooney & Co. A. S. Sipe 1	15	1096
Jay County—		
N. E. Masters Fannie Lyons 1	7	1100
N. E. Masters A. Rutneur 1	6	1100
Edmondson & Burns:		
J. Cummings 2	2	1103
J. Cummings 3	70	1101
Renberger & Loy:		
J. Lambert 2	2	1040
J. Lambert 3	1	1044
J. Lambert 4	15	1039
Willson & Gemmell Mary Grissell 2	5	1060

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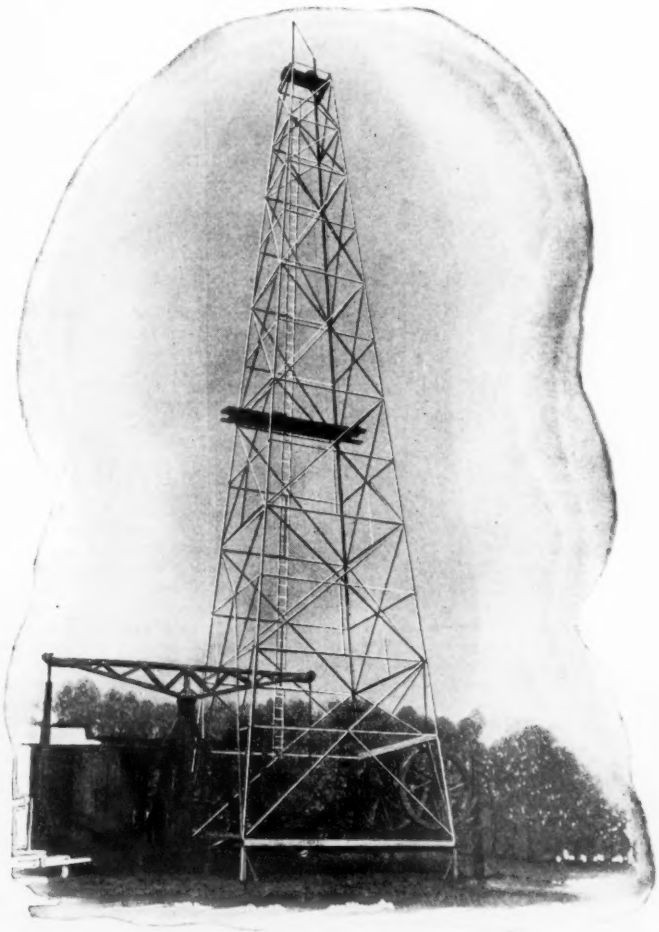

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100-Barrel Well in Lower Sand Just Outside Oil City

PITTSBURGH, PA., Oct. 30.—During the week in all fields east of the Mississippi river a total of 186 wells were completed, with 31 dry holes, 21 gas wells and a new production of 2,849 barrels, a nice increase over the previous week, indicating that there has been no let up in development work. There is a slight increase in rigs and drilling wells.

The 21 gas wells shows a combined casinghead volume of 39,750,000 cubic feet of gas. The four gas wells in the Pennsylvania end of the field show 12,000,000 cubic feet and the seven gas wells in West Virginia, a volume of 12,750,000 cubic feet. The gas companies are maintaining their active development work in Pennsylvania, West Virginia and Central Ohio, the three fields that supply the greatest amount of gas for the patrons of the many lines that emanate from the three fields.

The most sensational find of the week in the Pennsylvania area was the drilling in by Findley Gates of a 100 barrel producer on the Mary Johnson lease, just outside of Oil City. The well caused no end of excitement as nothing of the kind was looked for, and it may be the forerunner of an extensive operation, as the oil was found in a lower sand than the field has been producing from. Many of the old wells that have been on the pump for years, may be rejuvinated by drilling a little deeper ot the new found sand, and then Oil City will look like it did in years gone by. The new well found its pay at a depth of 1006 feet.

Greene county also had a nice find when the Hope Construction & Refining Company brought in its 50-barrel producer on the McNichols lease at a depth of 1660 feet. Two 4,000,000 cubic foot gas wells were also credited to Greene County for the week.

In West Virginia, the Tidal-Osage Oil Company brought in a 50-barrel well on the James Brown lease, in Kanawha County, and the Pure Oil Company a 40-barrel well on the Lafayette lease, in Boone County, other completions being small pumpers.

PENNSYLVANIA COMPLETIONS

Company, well, location	Initial Production bbls.	Depth
Beaver County—		
Bradshaw & Co.'s J. Anderson 3	1	....
Oil City Field—		
Findley Gates' Mary Jackson 3	100	1006
Allegheny County—		
Mt. Lebanon Oil & Gas Co.'s Mrs. Orient 1	¶½	....
H. D. Walters' P. S. Myers 1	2	....
Ark. Nat. Gas Co.'s John Warner 1	10	....
Greene County—		
Caseman Oil & Gas Co.'s W. W. Caseman 1	¶4	....
Hope Engineering & Ref. Co.'s M. McNichols 1	50	1660
Carnegie Nat. Gas Co.'s J. E. Lough 1	¶3½	....
Nat. Gas of W. Vir.'s Lewis Powers 1	¶4	....

WEST VIRGINIA COMPLETIONS

Company, Well, Location	Initial Production Bbls.	Depth
Hancock County—		
Ralph Knocks' R. Knocks 1	*	....
Lincoln County—		
Henderson & Moore's J. E. Lake 1	*	....
Roane County—		
Seaman Oil Co.'s Seaman 2	2	....
Putnam County—		
Blackshere O. & G. Co.:		
Otto Marnett Coal 1	¶½	....
J. R. Humphrey 1	¶½	2800
Wetzel County—		
Manufacturers Light & Heat Co.'s J. Furbee 1	¶3	....
Pat Clark 1	*	....
Doddridge County—		
Travis & Travis' M. S. Marsh 1	*	....
Travis & Ash's Stewart Heirs 1	¶2	....
Wood County—		
Ira Connelly & Co.'s Ira Conelly 2	5	....
South Penn Oil Co.'s S. E. Masters 5	5	....
Pleasants County—		
Webb Oil Co.'s Barr-Tine 1	2	....
Charles Kerr's J. T. Owens 15	10	....
Boone County—		
Owens Bottle Machine Co.'s Ferguson Heirs 8	*	....
Pure Oil Co.'s Lafayette 20	40	....
Kanawha County—		
Tidal-Osage Oil Co.'s James F. Brown 25	50	....
Peerless Black Carbon Coal Co.'s Unknown 9	2	....
Gilmer County—		
Hope Natural Gas Co.:		
Becca Dennison 1	¶¼	....
E. W. McClain 1	¶2½	....
H. J. Cooper 1	*	....
South Penn Oil Co.'s Cox Heirs 1	*	....
Calhoun County—		
South Penn Oil Co.'s L. M. Pitts 1	7	....
Hope Const. & Ref. Co.'s Scott McDonald 1	17	....
Norris-Caine Oil Co.'s Nancy Jarvis 2	*	....
Martin Crowley's Villers Heirs 1	*	....
Ritchie County—		
John B. Yates & Co.'s John Marsh 1	¶1½	....
Stephens Drlg. Co.'s Wilson Heirs 3	*	....
South Penn Oil Co.'s N. Burke 1	¶3	2017
Frank Kester's J. E. Caine 1	*	....
Ira Conley & Co.'s Ira Conley 1	5	....
Power Oil Co.'s Volcano tract 26	4	....
S. T. Rutherford's West Virginia tract 25	5	....

Indiana and Illinois Have Bright Prospects

Vincennes, Ind., Oct. 30.—Probably there are not any two states east of the Mississippi river that have brighter prospects for the development of productive oil pools than Indiana and Illinois.

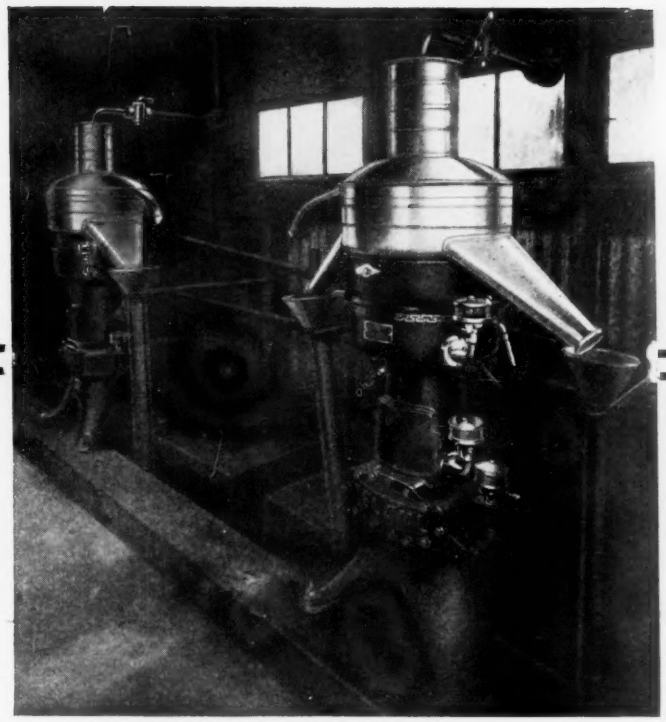
The former state has almost the entire south half of the state with the exception of the Princeton field in the Wabash Valley, along the line of Indiana-Illinois, that has been producing some crude for quite a number of years, but outside of that area there is close to 100 miles of territory toward the Ohio river on the south that has hardly been scratched by the drill, and very few tests have been made from the Broad Ripple field near Indianapolis south of the extreme south side of the state. Many structures are known to exist within that untested territory.

Western Illinois is also another area that it destined to become a busy spot ere long, for the Centralia field of Marion County, the Plymouth field of McDonough County, the Macoupin County area and the Waterloo field in Monroe County are enough to show the way to the operators of shallow territory. At this time two important wells are under way in Henderson County, along the western border of the state, south of Rock Island. This work is being done by the Pope brothers of Parkersburg, West Virginia, and the claim is that both tests are being drilled upon a structure that has been mapped out and pronounced ideal for the finding of oil. In Jefferson County, a little in advance of the Centralia field, a test well is now being drilled and another one in Washington County, also near by, and the outcome of these two tests may show a way for an extension to the 800-foot sands that are producing wells with flush production of around 100 barrels in the Centralia field.

In the Illinois field for the week, there were seven wells completed, with one dry hole and a flush production of 313 barrels, while in Indiana, 17 wells were completed, with three dry holes and a flush production of 188 barrels. Most of these completions were centered in the old fields around Portland, Muncie, Montpelier and other points.

ILLINOIS COMPLETIONS

Company, Well, Location	Initial Production bbls.	Depth
Clark County—		
Mumford Oil Co. C. H. Hammond 3	1	450
Crawford County—		
James Pease & Co. M. E. Ewing 9	2	990
J. D. Toomey W. W. Mills 2	*	1005
Marion County—		
G. W. Ewing & Co. Gust Rohl 3	35	790
Miller, Mackey & Company:		
Miller-Mackey lots 1	100	779
Ugo Evische 1	100	780
George Timberlake & Co. Joe Gaitte 1	75	779



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Price Adjustment on West Coast

Cut in gasoline price may affect crude quotations in California

By B. V. Ellzey

LOS ANGELES, Oct. 28.—The reduction in the retail price of gasoline announced this week was forced by an excess of the light fractions from California crude, as shown by an analysis of the latest statistics.

This one cent reduction in gasoline price is the forerunner of additional cuts, operators believe, and is the first change in the price of gasoline in 14 months. It may also presage additional changes in the price of crude.

Five months ago operators were talking about a shortage of gasoline, and it looked as if the refiners of the west coast would be unable to process enough of the heavy California crude to meet the season's demand for motor fuel. Not only have they done this very thing, but have gone beyond that, and are now accumulating stocks of gasoline out of proportion to the increase in stocks of other petroleum products.

Several well defined and clear cut factors stand out in bold relief, as explanation of the complete change in the general situation in this state:

Crude Shut In.

1. Over sixty thousand barrels of oil a day is shut in, and this is mainly the heavy (low gravity) crude in Kern and Fresno counties. The exact amount of oil now shut in is not known. It was above 70,000 for October. At any rate, month. Some estimates put the figure above 70,000, for October. At any rate, the output of heavy oil has been radically reduced, by the closing in of wells making this grade of oil.

2. Increased production of crude at Long Beach, Huntington Beach and Santa Fe Springs has more than offset the decline from the shutting in of old wells. This new oil is higher gravity, is fresh crude, and contains a larger percentage of the light hydrocarbons which can be cut into the first or second run.

3. Lack of storage in the new fields of the south is forcing this new and higher gravity crude into the refineries of the state. The refiners would welcome it even if there were ample storage for it, for it was this new crude which enabled them to meet the demand for gasoline during the past summer.

4. With the reduction in the output of heavy (unrefinable crude due to the shutting in of wells making this grade, it has been necessary to meet requirements for fuel oil from some other source than this heavy crude. This has opened an outlet for the refinery residuum, which 6 months ago was a problem to handle. Not only has the source of fuel oil been altered somewhat, but it is reported that the demand for this product is encouraging at this time, and may be expected to show gradual strengthening.

Shift to New Fields.

5. The reductions in the price of crude from $1.10 to 60 cents a barrel (base) during the past Spring has had the effect of stopping or seriously retarding development work in the fields producing heavy oil. This has shifted the center of drilling activities to the new fields mentioned above, and it is expected that the percentage of refinable oil produced in California during the next two years will be higher than it has ever been before. It is estimated that 80 per cent of the crude being recovered now is refinable, that is above 20° Be. This percentage is higher than it would be if the shut-in wells were delivering oil. But even in that event, the percentage of refinable oil would be far above the average for California, for it is generally accepted that the refinable and unrefinable oils in this state are in the ratio of 2 to 1.

6. A close analysis of the statistics covering production, refinery output, and stocks, during August and September is significant as it points out the tendency towards accumulation of the light ends of refinery output.

In making the following comparisons, some discrepancies must be noted. The figures for crude oil are those of the Petroleum Institute, while the refinery figures are from the Bureau of Mines. It is impossible to compare them with scientific accuracy, because of two facts:

1. The crude oil production is not analyzed to show the exact amount of refinable and unrefinable oil; and

2. The refinery runs are split up between crude and re-run oil.

This re-run oil is mostly tops from California crude, and yet the higher percentage of gasoline recovery from such tops makes it unfair to include this item in the same class with crude, in comparisons. However, since this re-run oil amounts to only about ten per cent of the total, and since it is a product of California crude in the first place, the comparisons are made "approximately," and are considered sufficiently accurate for working purposes.

Crude Oil Produced (August)

	Barrels
Total	11,848,882
Daily average	382,221

Oil Refined (August)

	Barrels
Total Crude	9,006,435
Total Re-run	940,563
Totals	9,947,498
Daily average	320,847

Excess of "oil produced" approximately 60,000 barrels daily.

Crude Oil Produced (Sept.)

	Barrels
Total	12,205,146
Daily average	406,838

Oil Refined (Sept)

	Barrels
Crude	8,976,199
Re-run	1,013,140
Total	9,989,339
Daily average	332,977

Excess of "oil produced" approximately 75,000 barrels daily.

It should be remembered that this excess pointed out above, is not exact, because of the fact that the "re-run" oil is calculated as if it were crude. It is easy to see, however, that the error is on the side of conservatism.

The following figures, however, are more significant:

Excess of Oil Refined Over Demand (Accumulation of Stocks) Sept.

	Gallons
Gasoline (increase in stocks held)	9,458,491
Kerosene (increase in stocks held)	3,235,777
Gas oil (increase in stocks held)	1,042,000

(Fuel oil—i. e. refinery residuum—lubricants, etc., remained about the same).

Fuel oil Stocks Increase.

By way of comparison it is shown that for the month of June stocks of gasoline declined eight million gallons, instead of increasing nine million as in September; while for June the stocks of fuel oil—residuum at refineries, increased about 14 million gallons.

In other words the crude oil market was upset during the early part of this year by the overproduction of crude, taken in conjunction with the accumulation of fuel oil and unrefinable crude. Now the price of gasoline has been upset by the overproduction of crude, taken in conjunction with the accumulation of the light ends from the refineries.

There is more gasoline in storage in California now than there was at the first of the year.

"He Won't Tell"

Just what may be expected to happen, in the light of these conditions, is purely conjectural. One guess is as good as another. The price changes usually come from only one source, and how to find out what is on tap there, is something else again. Like the Geologist, the other day: a report came in that a certain wildcat well in California was going over the top. The writer called this geologist, knowing that he was in position to have authoritative information on the well. It was not going over the top, but had some encouragements. "Do you think it will be a well," the Geologist was asked. "Only the Lords knows that," he answered, "and He won't tell."

One statistician and analyst said today that his guess is that there will be additional cuts in the price of gasoline before the winter is over. This authority also holds that the price of crude oil in California may do some more floundering before it finally settles to a restful position at the bottom of the pool.

Standard Well in Colombia Finds Oil

San Francisco, Cal., Oct. 28.—H. M. Storey, vice-president of the Standard Oil Company, (California) today stated that Standard Oil Company, (California) has cable advice from its Panama office that the well being drilled on the San Jacinto Concession, Colombia, South America, by the Latin America Petroleum Corporation of Colombia, owned jointly by the Transcontinental Oil interests and the Standard Oil Company (California), has struck a sand at a depth of 2176 feet which carries some oil. This is the first showing of oil in either of the two wells that are being drilled by the company in Colombia and the well is being drilled to a greater depth in order that the lower formations may be thoroughly explored, as this is an entirely new and undeveloped district. For these reasons the quantity and quality of the oil has not yet been determined.

Santa Fe Springs Production Nearly 70,000 Barrels a Day

Los Angeles, Oct. 28.—Production of oil has increased faster at Santa Fe Springs during the past seven days than during any similar period in the history of the field.

The daily recovery of this new area is now nearly 70,000 barrels, and it is the general opinion that it will ultimately be the biggest producing field in California, or even in the whole United States.

Long Beach field is now the biggest producing field in the country, with 95,000 barrels a day.

Some half dozen wells have just been completed at Santa Fe Springs, the biggest of which is the South Whittier Community 2 of the Standard Oil Company. This is a redrill job, and came in the second time Wednesday, for 5,000 barrels a day. The No. 4 on the same lease is making 6300 barrels through a one inch valve, and the two wells together are producing more oil than any other two wells in the west. They are both producing from the 4700 foot zone. Standard is now next to the biggest producer in this field, first honors belonging to General Petroleum Corporation.

C. C. Julian has just completed a well estimated all the way from 1500 to 3500 barrels a day, which has possibly caused more interest than any other single well ever drilled in this part of the country. Julian is an inexperienced field man, but has always been in the service of other companies. A few months ago he secured a small tract of land, organized his own company, sold units, and put out the cleverest and most humorous line of publicity that has appeared. His stock selling ads were jazzy, and appealing and his issue went over in a hurry. He then repeated the performance on another tract. The well this week is the first completion he has made, but he has three others under way, and people are betting on him, as if he were John J. McGraw, entering a world's series.

Ready to Drill In

Union Oil Co. completed No. 8 Bell for 2500 barrels at the upper level, though the well is evidently capable of making considerably more than this amount if opened up. Union has a brace of deep holes ready to drill through the cement into the pay, and its production in this field may take a big jump within thirty days. Union is the Daddy of the Santa Fe Springs field.

General Petroleum, the biggest producing company in this field, has completed No. 89 Santa Fe for 1700 barrels at 3925 feet. The Santa Fe No. 1, first well completed on this lease, after flowing over 2500 barrels a day for three months, suddenly went to water the other day. It is believed that the water broke in from above the sand, and cable tools are being rigged to clean out, and recement.

Star Petroleum Company got a 1500 barrell well at 3820, drilled by Bill Keck.

Operators are beginning to regard Santa Fe Springs as the "menace" in California, if a gusher field of high gravity oil can ever be said to be a menace. That it will go beyond the peak production attained by Long Beach field, is generally believed now. That it may actually assume proportions of dangerous magnitude, in relation to the interests of producers in other fields, is considered possible by some. It is easily the most important field in the state at this time.

Montebello Field.

The old Montebello field was treated to a surprise this week when St. Helens Riverside completed an 800 barrel well at 4367 feet, it being Monterey 7. The well may increase its flow, and it is one of the biggest new wells of the state outside the three new fields.

Long Beach Field.

Regina Petroleum Co. has taken core samples that give showings of oil, in its northern extension well, north of American Ave., at about 3450 feet. It is reported that pipe will be set, and a test made shortly. If this proves productive, it will mean a big extension of the proven area.

Calmont Oil Co. completed No. 2 at 3660 feet for 1500 barrels.

Dabney Oil Synd. has another 2000 barrel well, at 3440 feet. This company has been unusually successful in building up a steady production in the Long Beach field.

Huntington Beach

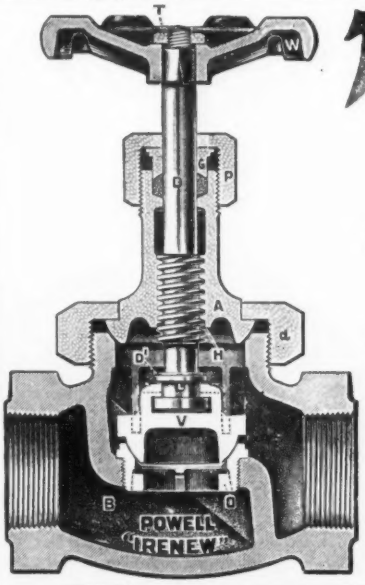
No sensational completions have been recorded in this field during the past week, though the deeper drilling is attracting a lot of attention, and it is recognized that the limit set for Huntington Beach production was too low by a hundred per cent or more. Amalgamated got the best recent completion there, Miley Keck 11, for 1800 barrels. Selby, Rout and Hogue, Mid-Continent operators, have a 500 barrel well in Clark 2, at 4258 feet.

Over in the Richfield district, Amalgamated has three wells that should be completed within a fortnight; Bayha 2 and 3, and Kammerer 1.

California May Have New Heavy Oil Pool

Los Angeles, Calif., Oct. 28.—What may be a new heavy-oil field is indicated by the Crittenden well, east of Puente, reported in this publication last week with a showing of oil. The well got an oil sand at 1970 feet, and oil is said to have risen to within 100 feet of the top, without pressure enough to flow.

The hole is drilling deeper and if nothing better is found, the sand at the 1970-foot level will be developed. This property adjoins the property of the Bardeen Oil Company, which has obtained favorable indications of oil in the past, but which has not developed commercial production.



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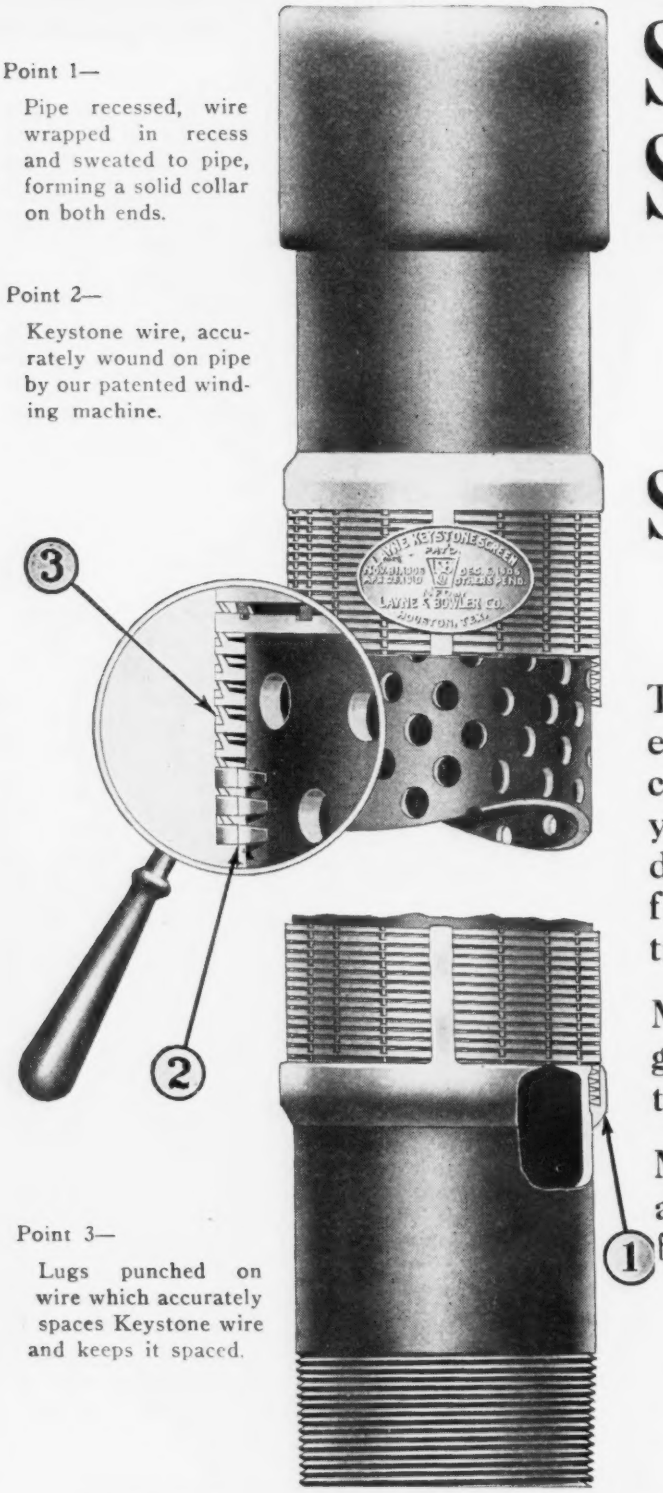

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MEXICAN PRODUCTION

The daily average production of crude oil in the Mexican fields for the past two weeks is divided about as follows:

	Week Ending Oct. 21	Oct. 14
Cerro Azul-Toteco	107,000	109,000
Tierra Blanca Chapapote	69,000	66,000
Potrero del Llano	32 000	32,000
Central Amatlan	31,000	29,000
Los Naranjos	9,000	9,000
Tepetate Casiano	7,000	7,500
Chinconcillos	3,200	3,500
Alamo	2,000	2,000
San Geronimo	1,000	4,000
Total light oil	261,200	262,000
Panuco Dist. (heavy)	131,000	123,000
Total Mexico	392,200	385,000

Tampico, Oct. 28.—Strippers are still being drilled in Amatlan. Recently the Aguila completed its No. 25 on lot 260 for 20,000 barrels and it is expected that 15,000 barrels daily can be flowed for a time. The company has a pump station on this lot with several other producers that have a possible production of 175,000 barrels a day.

More Than 200 Wells or Locations In Mexico at Close of October

TAMPICO, Oct. 28.—At the close of October there were more than 200 wells or locations in various stages in the republic of Mexico, more than half of which were located in the Panuco or heavy oil country. That this number will increase from month to month is expected, especially as the rainy season is about at an end, with weather showing improvements. In another two or three weeks the roads should be passable in almost every direction and materials can be moved to all sections.

Of the total number of wells or locations, 113 are located in the Panuco district, while 37 are credited to the proven south country. There are 55 wildcats in various stages south of the Tuxpam river in the state of Tabasco and the Isthmus country.

Those returning recently from the Isthmus country say that only two wells are actually operating in that country. One is that of the Aguila, which should be a completion in the next month. The Aguila's well is in Macuspana at Sarlat, Tabasco, now drilling below 2500 feet. The other is that of the Mexican Seaboard drilling at Salto de Agua in Chiapas, drilling with standard tools.

Much of the Isthmus country has been leased and it is expected that with the return of good weather, further operations will be undertaken. It is conceded that there is plenty of oil in this country, but the transportation difficulties are such that operation will be very costly.

MEXICAN COMPLETIONS

Tampico, Oct. 28.—Following are the late completions in the Mexican oil fields:

Company, well, location	Initial Production bbls.	Depth
Texas Co.'s No. 5, Anastacio, lot 114, Chinampa	1000	1917
Transcontinental No. 4, lot 4, Cacalitao	10,000	1700
D. A. Wilson No. 1, lot 5, Aguacate	1500	....
Aguila No. 25, lot 260, Amatlan	35,000	...
International No. 12, Cascalilao	*	2500
International No. 1 San Sebastian	*	3570
Combustible No. 5 San Miguel	*	2450

Tampico, Oct. 28.—The Huasteca has started work at two of its proposed tests in Juan Felipe, near the line of Cerro Azul. The first two wells to be drilled are Nos. 6 and 7.

Pittsburgh, Pa., Oct. 28.—For nine months period ended September 30, last, Ohio Fuel Oil Supply Company reported gross income of $11,026,108 and profit and loss surplus was $20,020,145.

The company's balance was $3,715,786 after deduction of $7,310,322 for operating expenses and taxes and out of this balance dividends of $2,673,681 were paid. This left a surplus of $1,042,105.

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Mexico Fixes Rates On Oil for October

Mexico City, Oct. 28.—Following is a translation of Mexican Circular No. 31 fixing the valuations and rates on oil for the month of October, 1922:

Circular No. 31

In accordance with the provisions of Article 5 of the Decree of May 17, 1922, this Secretariat has fixed for the collection of the tax to which such decree refers on crude petroleum and its derivatives during the current month of October the following prices:

	Per cubic meter
Fuel oil of a density of 0.95	$19.06
Gasoline	111.22
Kerosene	34.22

In accordance with the provisions of Articles 3 and 4 of said decree, the rates, per cubic meter, will be as follows:

Crude Petroleum of a density of 0.93	$2.35
Crude Petroleum of a density of 0.96 or higher	1.33
Fuel Petroleum	2.13
Crude Gasoline	4.45
Refined Gasoline	2.225
Crude Kerosene	2.053
Refined Kerosene	1.027
Lubricants	2.50
Paraffin (per ton)	2.00
Asphalt (per ton)	0.25

The price of crude petroleum of 0.93 was arrived at as follows:

Value of fuel oil	$19.06
Plus $1.90 in accordance with clause b, paragraph 2 of Article 3	1.90
	$20.96

The 11.2 per cent applied to the foregoing amount, in accordance with clause b, paragraph 1 of Article 3, is $2.35.

The rates on crude petroleum and fuel oil of densities other than those specified will be increased or decreased in accordance with clause 4 of Article 3 of said decree.

Western Governors to Discuss Gasoline Tax

Los Angeles, Oct. 28.—With an idea of working out a uniform gasoline tax rate in all the western states, as well as uniformity in traffic laws, and uniform methods of spending the gasoline tax money, a conference of the Governors of 11 western states will be held in San Francisco on November 16, at the invitation of Governor Louis F. Hart of Washington.

The states invited are: Montana, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Idaho, California, Oregon, and Washington.

It is reported that Governor Hart's plan is to form an agreement with the executives of the several states, looking towards a standard rate of tax on gasoline sales, and a uniform application of the funds so obtained, in all the states.

Oregon and Washington already have a tax of 2 cents a gallon on gasoline, and some of the other states also have a tax. It is said that 15 states in the country have a tax of 1 cent a gallon, among which are Arizona, Colorado, Montana and New Mexico.

The movement to extend the gasoline tax to other states, is expected to be opposed by automobile trades associations and dealers. Oil companies may support the automobile dealers, but are not expected to take any leading part in the opposition. They take the attitude that the tax is a tax on the automobile, as the tax is added to the sales price of gasoline. The theory that the automobile is a luxury, and as such is entitled to be held up and fleeced by the tax gatherers, is said to have about spent its force. The automobile is considered as much of a necessity now as the draught horse was 20 years ago, and it is no more the rich man's pride than it is the poor man's dependence.

Large Net Profit for Mexican Petroleum

New York, N. Y., Oct. 28.—A net profit of $19,741,708 after interest, depreciation, taxes, etc., is indicated from a statement of the Mexican Petroleum Company, Ltd., of Delaware and owned companies for the nine months period ended September 30, last. This is equivalent to $44.06 a share earned on the outstanding common stock after allowing for preferred dividends.

The consolidated profit and loss account for the nine months follows:

Profit from operations	$30,471,964
Interest and amortization	565,306
Depreciation and depletion	7,339,950
U. S. taxes and contingencies	2,825,000
Net profit	$19,741,708
Preferred dividends	720,000
Common dividends	3,884,493
Surplus	$15,137,215
Previous surplus	25,151,521
Profit and loss surplus Sept. 30, 1922	$40,288,736

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WILDCATS FROM ALL SECTIONS

Wildcat Gasser in Mitchell County Has Exhausted Itself

FORT WORTH, TEXAS, Oct. 31.—The wildcat gasser and salt water well that attracted considerable interest in Mitchell County in West Texas late last month with a flow of 50,000,000 cubic feet of non-inflammable gas and 10,000 barrels of salt water has about exhausted itself after flowing wild for more than a month.

This well was brought in by the Mitchell County Oil Corporation on the W. H. Badgett farm in the northern part of the county near the bend of the river, and reports from the field early this week credit the well with having decreased its production to 20,000,000 cubic feet of gas and about 1,000 barrels of salt water daily with a total depth of 1100 feet. The owners have started work on removing the thick layer of salt crystals around the well, and also the fallen derrick, which was battered down by the terrific flow of gas and salt water, in order to build another derrick and attempt to drill deeper.

Another oil producer is promised for Mitchell County as result of the good showings reported by the Flescher Petroleum Company's No. 1 P. C. Coleman, which is located in Section 69, Block 97, H. & T. C. Survey. This test is reported to have drilled into a gray lime formation at 2505 feet, but is being delayed in making a test of the pay because of necessary boiler repairs. The Underwriters Producing & Refining Company's No. 2 T. P. Land Company test is cleaning out after two separate shots with a total depth of 3130 feet. A shot of 75 quarts was placed from 3015 to 3090 feet, and another shot of 40 quarts was exploded from 2905 to 2945 feet.

The shallow producing areas near Moran in Shackelford County and in the Northern part of Callahan County contributed their usual number of oil and gas producers this past week. A. G. Hseng of Fort Worth's No. 24 W. H. Stephens et al lease in Section 31 in the Moran field is rated as a 75 barrel pumper from seven feet of oil sand topped at 620 feet. In the same field an unusual shallow pumper was completed by the DeArmand Brothers on the Townsend lease good for 5 barrels of oil from 112 to 128 feet.

In Northern Callahan County, D. H. Moore and associates have completed their second test on the Joe Neuman lease in Section 8, D. & D. A. Lands, pumping 15 barrels of oil from 360 to 375 feet. In the same territory, Morgan Ridge's No. 4 J. S. Hart pumped about 35 barrels of oil during the first 24 hours from 407 to 420 ft, while Martin & Westerfold's No. 2 A. L. Huntington has been completed as a gasser at 300 feet. The Williamson Oil Company's No. 2 M. M. Cox, located in Northern Brown County, is showing good for 25 barrels from 2400 to 2440 feet, with a total depth of 2465 feet. The owners of this well are counting on shooting it with 100 quarts this coming week.

The deepest test made for production in the Dalton pool in Palo Pinto County is preparing to plug and abandon this week with a total depth of 4650 feet. This test was made by the Magnolia Petroleum Company on the Ferris-Dalton lease, and is located only 700 feet west and slightly south of the discovery well on the Dalton ranch. The Magnolia test failed to pick up the Dalton pay at 3965 feet, and was carried deeper with hopes of encountering another producing horizon. The last 800 feet of cuttings taken from the hole indicated a lime formation, and it is believed that the tools were working in the Ellenberger lime when they were lost, which was the reason the company gave up the test rather than take a chance on fishing them out of the hole.

Central West Texas Wildcats

COMPLETIONS

Company, well, location	Initial Production bbls.	Depth
Brown County—		
Williamson Oil Co.'s M. M. Cox 2	25	2465
Pilgrim Oil Co.'s Willis 1	†	920
Callahan County—		
D. H. Moore's Joe Neuman 2	15	375
Amis et al's R. L. Medford 1	*	365
Martin & Westerford's A. L. Huntington 2	¶4	300
Morgan Ridge's J. S. Hart 4	35	435
Shackelford County—		
DeArmand Bros' Townsend 1	5	130
Hale et al's McClendon 1	*	745
A. G. Hseng's Stephens 24	75	628
McClendon et al's English 2	*	640
The Texas Co.'s Wild B-4	*	660

DRILLING REPORT

HOOD COUNTY—Cameo Oil Co.'s Williams 1, sd for water 1045 ft. Iowa Bankers Oil Co.'s I. A. Rylee 1, fsh tools 315 ft. B. H. Cogsdell et al's D. W. Campbell 1, rigging up.

JOHNSON COUNTY—Johnson County Oil & Dev. Co.'s Rhodes 1, showing oil, sd for cas 3755 ft.

PALO PINTO COUNTY—Andrews & McFarland's D. C. Harris 1, sd for water 760 ft. Will Anderson et al's Mrs. W. P. Anderson 1, sd 3555 ft. Ashe Synd.'s Mrs. J. B. Hart 2, dr 950 ft; Hart 3, rig. Black-Dalton Oil Co.'s H. H. Green 1, rigged up and sd. Buffalo-Brazos Oil Co.'s R. S. Dalton 1, sd 1160 ft. Big Four Oil Synd.'s Pennington 1, rig. California-Dalton Oil Co.'s R. S. Dalton 1, sd 3895 ft. Canadian Pet. Co.'s Pennington 1, showed some gas after two shots, sd 4105 ft. Clark & Burch's Mrs. L. F. Conklin 1, set cas 2290 ft. Cobb, Sivall & Johnson's J. H. Robinson 1, dr 720 ft. S. C. Cunningham et al's B. M. Poer 1, lcn. Dalton-Clark Oil Co.'s H. H. Green 1, sd 4035 ft. Dehart & McKay's Seaman 1, sd 950 ft. Dalton Petroleum Co.'s R. S. Dalton 1, rig. Dalton Oil & Gas Co.'s R. S. Dalton 1, fsh 3575 ft. Dalton Oil Co.'s R. S. Dalton 2, fsh collapsed cas 3715 ft; Dalton 3, rig; Dalton 4, rigged up and sd. Dittman Oil & Gas Co. Hughes Heirs 1, sd 3815 ft. Empire Gas & Fuel Co.'s Gill 3, machine. Gibson Sinclair & Strong's J. T. Holt 1, dr 12[illegible] ft. Hart Oil Corp.'s Mrs. J. B. Hart [illegible] dr 3140 ft; Hart 9, plugging to abn after shot 3270 ft. J. P. Harris et al's J. T. Holt 1, timbers. Heydrick Oil Corp.'s Caudill 1, rig. J. B. Hedrick et al

Texas Panhandle Wildcats

(Note—The drilling report below does not show wells that are shut down indefinitely.)

CARSON COUNTY—Gulf Production Co.'s S. B. Burnett 3, dr 500 ft; J. I. Wynn 1, pulling 6⅝-inch cas 3680 ft. Silk et al's S. B. Burnett 2, bldg dk. The Texas Co.'s S. B. Burnett 1, sd 2995 ft. Temple et al's D. A. Harrell 1, dk. Tipton et al's McConnell 1, ur 2460 ft.

COLLINGSWORTH COUNTY—Campbell et al's Stokely 1, sd 1260 tf. United Oil Co.'s Hennard 1, dr 3020 ft.

DALLAM COUNTY—Dalhart Oil & Gas Co.'s James 1, dr by junk 1650 ft.

DONLEY COUNTY—Atlanta Oil & Dev. Co.'s Grogan 1, sd 3455 ft. Swanson Oil Co.'s Moreman 1, sd 2290 ft.

GRAY COUNTY—J. Harvey et al's Brown 1, sd 3095 ft. W. W. Silk et al's G. W. Medley 1, ur 2000 ft.

HALL COUNTY—Craola Oil Co.'s Funston 1, sd 1080 ft. Home People's Oil Co.'s Barnett 1, fsh 2410 ft. Swanson Oil Co.'s Sexecours 1, sd 700 ft.

HUTCHINSON COUNTY—Coble Haywood Synd.'s Coble 1, dr 3775 ft. Gulf Prod. Co.'s Dial 1, plugging back to 3050 ft, td 3660 ft. H. T. McGee et al's Smith-Cappers 1, co 3166 ft. J. Whittington's R. Sandford 1, dr 540 ft.

POTTER COUNTY—Amarillo Oil Co.'s L. Bivens 3, straightening hole 2450 ft; Masterson 3, rigging up, td 2750 ft.

RECOGNIZED PETROLEUM GEOLOGISTS

Huey 1, small showing oil after shot 40 qts from 1425 to 1435 ft, dr 1655 ft. A. A. Haubert et al's Tipton 1, sd 360 ft. H. N. Harris et al's G. N. Weldon 1, dr 1840 ft. E. G. Johnson et al's Howard 1, sd 2570 ft. Littlefield Oil & Gas Co.'s Smith 1, ur 3805 ft. Miller-Dalton Oil Co.'s R. S. Dalton 1, dr 3880 ft. Milton & Floyd's Malry 1, sd 750 ft. Magnolia Petroleum Co.'s Ferris-Dalton 1, mudding to abn, td 4650 ft; Ferris-Dalton 2, sd 1240 ft. S. W. Manning et al's Hitson 1, sd 410 ft. McPhail Oil Co.'s Eubanks 1, sd 2150 ft. Nash & Windfohr's Eubanks 1, dr 3575 ft. Nelson Oil Synd.'s Finch 2, dr 3170 ft. Owens & Burkett's Gray-Sanger 1, making 1,000,000 ft gas and showing oil, dr black lime 4260 ft. Phoenix Oil Trust's R. S. Dalton 1, dr 2370 ft. Producers Oil & Gas Co.'s R. S. Dalton 1, sd 200 ft. Palo Pinto Oil Co.'s Stuart Bros' 2, sd for shot showing oil, 1705 ft. Roddy et al's Carter 1, fsh tools 1444 ft. Ross & Brooks' Pennington 1, making 1,000,000 ft gas sd 4120 ft; J. I. McClure 1, rig. O. R. Rochelle's Fee 1, ur 3995 ft. A. T. Strong & Co.'s L. E. Seaman 1-A, hole full oil, sd 3160 ft. Rufus G. Smith's Seaman 1, oil in hole, sd for fsh tools 3170 ft. Silver Rock Oil Assn's Moseley 1, rig abn. Southern States Oil Co.'s Belle Raquett 1, showing oil after shot 105 qts 2935 to 3005 ft, td 3280 ft. Sands & Thompson's Fee 1, dr 2950 ft. Sun Co. & Pender et al's Mrs. J. B. Hart 2, lcn. Marshall Spoonts' J. B. Doyle 1, spd and sd. J. W. Sappington et al's R. S. Dalton 1, rig. Southard Pet. Co.'s W. M. Bird 1, rig. Scott & McClure's R. A. Wheeler 1, dr 875 ft. H. L. Singleton et al's W. Holt 1, lcn. Tibbetts, Johnson & Ashburn's J. K. Weldon 1, dr 795 ft; McClure 1, timbers. Thompson, Senter & Nance's Logsdon 1, sd 685 ft. D. A. Upham et al's Belding 3, sd 3775 ft; Belding 5, fsh cas and tools 1980 ft; T. R. Ennis 1, dr 3475 ft; J. H. Bradford 1, dr 900 ft. F. M. Watson Jr., et al's Clepper 1, lcn. Webb & Murphy et al's P. Dalton 1, spd and sd. Youkan Oil Co.'s Seaman 1, dr 150 ft.

PARKER COUNTY — Capital Petroleum Co.'s McFarland 1, sd 1505 ft. Dalsa Oil Co.'s Reynolds 1, dr 2525 ft. Dittman-Thompson et al's Fondren 1, rig. Hale & Knight's Davis 1, sd 2905 ft; Bradley 1, sd 4500 ft; Mankins 1, making 1,000,000 ft gas, co cavey hole 3955 ft. Jackson & Cathcart's Emberlin 1, sd 3005 ft. I. B. McGarr et al's Estes 1, sd for cas 3290 ft. Talbert Drilling Co.'s Gilbert 1, spd and sd for water.

SHACKELFORD COUNTY — Brannon & Murray's English 1, run cas 595 ft; English 2, dr 380 ft. Brown & Co.'s J. F. Sedwick 1, dr 1975 ft. Chenault Oil Co.'s English 4, dr 520 ft; English 5, dr 480 ft. Chandler's Elliott 1, spd and sd. Childress' Morrison 1, sr cas 570 ft. Cooper's Broyles 1, dr 265 ft; Huskins 1, dr 245 ft. Deane Oil Corp.'s Merriott Heirs 1, sd 1870 ft. Dawson & Hubbard's J. D. Fite 1, rig. Empire Gas & Fuel Co.'s Brazzell 1, run cas 2755 ft. Gilliland & Griffith's W. A. Carter 1, sd for repairs 255 ft. Hutton, Hickey's Hayden 1, spd and sd. Humble Oil & Ref. Co.'s R. A. Elliott 1, fsh cas 2165 ft; Lynch 1, dr 3180 ft; Lynch 2, lcn. Ibex Oil Co.'s Wm. Poindexter 6, testing cas 4160 ft. A. G. Ilseng's English 2, good showing oil, rigging up to pump from 630 to 642 ft; English 3, dr 310 ft; Stephens 23, spudding. Johnson et al's Pritchard 1, dr 155 ft. Keyes' Broyles 1, timbers. E. A. Landreth Co.'s Brazzell 1, dr 3880 ft; Witty 1, spraying 40 bbls oil, sd 3605 ft; Witty 2, making 3,000,000 ft dry gas, dr 3490 ft; Wm. Poindexter 1, dr 2490 ft. Lassiter & Farrell's Hayden 1, fsh tools 210 ft. Murphy & Bolanz's Conrad 2, sd 3625 ft. Scott & Witt's Trueheart 1, sd 3625 ft. Rio Grande Oil Co.'s Wild 2, dr 695 ft. Roxana Pet. Corp.'s Rice 1, lcn. Revere Oil Co.'s English 1, skid rig, td 475 ft. Rardin & Hill's Morris 1, dr 210 ft. S. D. C. Oil Co.'s Fite 1, sd after shot 40 qts from 1950 to 1960 ft; Fite 2, dr 470 ft. Carl Scribner's Webb 1, fsh tools 615 ft. Sam Scupas' Rice 1, dr bad hole 455 ft. Standcliff et al's Pritchard 1, dr 170 ft. The Texas Co.'s Osborne 3, dr 440 ft; Osborne 4, lcn; Tankersley 1, dr 2025 ft. Welch Bros.'s J. H. Elliott 1, dr 615 ft. Weaver & Tanner's McClendon 1, sd 345 ft. White et al's Pritchard 1, jkd hole, td 275 ft.

TARRANT COUNTY—Erie Oil & Gas Co.'s Cartwright 1, sd 565 ft. Fort Worth Oil Co.'s J. W. Wray 1, sd for cable on top gray lime 4445 ft. Texland Prod. Co.'s Dr. W. H. Davis 1, rig. Souse et al's Henderson 1, sd hole full water 2065 ft.

BORDEN COUNTY — Broderick & Calvert's A. J. Long 1, lcn. C. W. Jones

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COKE COUNTY—Mexia-Equitable Oil Co.'s W. J. H. Hodges 1, dr 1895 ft.

CONCHO COUNTY—The Texas Co.'s Houston Bros. 1, dr 610 ft. Texas-Meers Oil Co.'s Schulz 1, sd 1410 ft.

CRANE COUNTY—Texas-Mexia Drilling Synd.'s W. W. Waddell 1, rigged up and sd.

CULBERSON COUNTY—Consolidated Sulphur Co.'s Johnson 1, sd 115 ft. G. W. Gossert's Sayles 1, sd 460 ft. T. W. Owens' Jones 2, sd 2845 ft. J. D. Wesner's Sayles 1, sd 2285 ft.

DAWSON COUNTY—Lamesa Oil & Gas Co.'s John Burns 1, co at 1900 ft, td 2095 ft.

ECTOR COUNTY—Farmers Oil & Gas Co.'s Andy Newman 1, sd repairs 1315 ft.

EL PASO COUNTY—Burns & Knight's Fee 1, fsh cas 1495 ft; Fee 2, timbers.

FISHER COUNTY—Mineola Oil Co.'s Lanious 1, sd 3210 ft.

GARZA COUNTY — Woodward Oil Co.'s J. M. Boren 1, sd 1965 ft.

GLASSCOCK COUNTY—General Oil Co.'s L. S. McDowell 4, showing oil from gray lime, fsh cas and spear 3785 ft. Cushing Ranch Drlg Assn's W. F. Cushing 1, sd for cable 4150 ft; Sparkman 1, fighting cavey hole 830 ft. Associated Prod. & Ref. Co.'s C. I. Brunson 1, sd 2935 ft.

HUDSPETH COUNTY — Boole Oil Assn's Gardner & Moseley 1, fsh tools 1405 ft. Cactus Oil Co.'s Jones 1, sd 615 ft. Hueco Basin Oil Co.'s University 1, sd 2565 ft.

HOWARD COUNTY — Fensland Oil Co.'s C. D. Read 1, hole caving, sd for line 3340 ft. Maxwell & Johnson's Wm. Capps 1, sd 3265 ft. Big Spring Prod. Co.'s Mable O. Quinn 1, sd 3645 ft. General Oil Co.'s Roberts 1, pul cas to abn, 3155 ft.

JEFF DAVIS COUNTY—Magnet Oil Co.'s Tatum 1, sr 6⅝-in cas 1115 ft.

JONES COUNTY—Anson Oil & Dev. Co.'s C. B. Brown 1, sd 1855 ft. C. & H. Oil & Dev. Co.'s J. A. Collum 1, showing oil in lime, co to test 2970 ft. Magnolia Petroleum Co.'s S. Jordan 1, dr 2810 ft.

LOVING COUNTY—Ramsey Oil Co.'s Russell 1, sd 4485 ft; Russel 2, sd 705 ft.

MARTIN COUNTY—Cox Realization Co.'s George Walcott 1, sd 2070 ft.

MITCHELL COUNTY—Mitchell County Oil Corp.'s W. H. Badgett 1, dk collapsed, production receded to 25,000,000 ft non-inflammable gas and 4,000 bbls salt water, cleaning away debris and salt accumulations to resume drilling, td 1100 ft. C. F. Kelsey et al's W. H. Badgett 1, rigging up. California Co.'s T. C. Richardson 1, ur 1210 ft. Colorado-Texas Pet. Co.'s W. L. Foster 2, sd for water 2610 ft. Crescent Drilling Co.'s Nat Smith 1, fsh cas and tools 2440 ft. Underwriters Prod. & Ref. Co.'s T. P. Land Co. 2, co after shot 75 qts from 3015 to 3090 ft and 40 qts from 2905 to 2945 ft. A. T. Spaulding et al's Zilpha Morrison 1, preparing to dr deeper, td 2555 ft. Flesher Pet. Co.'s P. C. Coleman 1, good showing oil in lime, repairing boiler 2510 ft. Maxwell & Johnson's J. L. Jones 1, sd for water 2470 ft; F. H. Stewart 1, sd for water 3070 ft. Western Petroleum Co.'s Etta Brennand 1, hole full of water, probably abn 3815 ft. Henry Riley's W. A. Murphy 1, dropped tools in hole, fsh tools and collapsed cas after shot, td 3560 ft. Magnolia Petroleum Co.'s W. L. Foster 1, set cas 2025 ft. Petroleum Operators Assn's E. Morrison 1, rig. S. A. Sloan et al's Sam Smart 1, rig.

PECOS COUNTY—Bower et al's University 2, sd 1705 ft. A. S. Luse's G. W. Allison 1, sd 205 ft; Hock et al 1, sd 305 ft. Oregon-Texas Drilling Assn's Turney 1, sd 1905 ft. Pecos Valley Oil Co.'s Fuller 1, rig. Polk Prospecting Co.'s Looney

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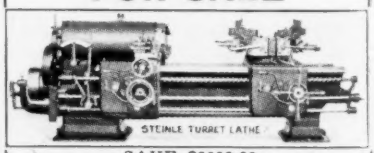

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1, sd 1220 ft. W. S. Try's Johnson 1, trying to shut off water 2755 ft. Greer et al's Burnett 1, sd 430 ft. Southern States Lease & Production Co.'s J. M. Odem 1, bldg rig.

REAGAN COUNTY—Texon-Land & Oil Co.'s University 1, sd 2510 ft.

REEVES COUNTY—Bell Reeves Oil Co.'s Findley et al 1, sd 1540 ft. Dixieland Oil Co.'s Oates 1, dr 2965 ft. El Paso Saragosa Oil Co.'s George Wirt 1, sd 540 ft. Los Pecos Oil Synd.'s Oates 2, sd 730 ft. Parker-Hancock Synd.'s Johnson 1, sd 1930 ft. Pecos-Angeles Co.'s Pecos Valley 1, sd 1410 ft. Toyah-Bell Oil Co.'s T. P. Land Co. 1, sd 735 ft. Zone Oil Co.'s Kate Tapp 1, sd 730 ft. Willoughby Pet. Co.'s W. D. Cowan 1, sd 625 ft; W. D. Casey 1, sd 210 ft. Pico Petroleum Co.'s Johnson 1, sd 1930 ft. Hawkeye Pecos Oil Synd.'s T. P. Land Co. 1, sd 825 ft. Sunshine Oil Corp.'s Van Horn Bank 1, sd 2555 ft. Texas Drilling & Dev. Co.'s Pecos Valley 1, sd 1105 ft. Chicago Drilling Co.'s H. C. Hersheusen 1, sd 190 ft.

RUNNELS COUNTY — Runnels Production Co.'s Russell 2, spd and sd. Safety First Oil Co.'s Allen 1, sd 3180 ft. Winters Oil & Gas Co.'s Lee Sauls 1, sd 3765 ft.

SCURRY COUNTY — Hermleigh Oil Co.'s J. W. Burris 1, sd 1400 ft. Stanton Oil Co.'s J. V. Riley 1, sd 3505 ft. Geo. W. McLung's J. J. Billingsley 1, repairing machine td 1010 ft.

SCHLEICHER COUNTY — Paragon Oil Co.'s B. M. Boyd 1, running 12½-inch cas 1000 ft.

STERLING COUNTY—Sterling Petroleum Co.'s Tom Brennand 1, sd 3005 ft. Co-operative Lease & Dev. Co.'s Douthitt 1, sd 1675 ft. Chicago Oil & Gas Co.'s B. C. Durham 1, sd 416 ft. Concho Drilling Assn's McIntyre 1, sd 505 ft.

TAYLOR COUNTY — Abilene-Texas Petroleum Co.'s J. C. High 1, sd 2025 ft. Andy Urban et al's Parker 1, sd for cas, td 3445 ft. Sanger Oil & Ref. Co.'s Hale 1, sd 1860 ft.

TERRELL COUNTY — Pittsburgh-Western Oil Co.'s Downey 2, sd 1260 ft. Southwest Oil & Gas Co.'s Folsom 1, sd 3470 ft.

TOM GREEN COUNTY—Ranger Investment & Dev. Co.'s Harris 1, dr by cas 2855 ft.

VAL VERDE COUNTY—Fensland Oil Co.'s Ab Rose 1, dr 2165 ft. Huber Oil Co.'s Whitehead 1, sd for fuel 1050 ft. Reclamation Oil Prod. Co.'s J. B. Moore 1, sd 2630 ft. G. Cook et al's Bedell Moore Estate 1, dr 685 ft.

WARD COUNTY—Arthur Pitts Oil Co.'s Soda Lake 1, sd 2205 ft; River 1, sd 4675 ft; Valley 1, sd 1685 ft. Cook & O'Brien's G. W. O'Brien 1, sd 1175 ft. Trans-Pecos Oil Co.'s Longnecker 1, sd 1755 ft.

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Brazoria County—		
Atlantic Prod. Co. Strobel 1..	*	4000
Harris County—		
Texas Ex. Co. Warren 5.....	*	4330
Texas Ex. Co. Warren 7.....	*	1000

DRILLING REPORT

ANDERSON COUNTY—Hudgens et al's Turner 1, dk. Old Colony's Graham 1, lcn. Palestine Oil & Dev. Co.'s Hugo Monnig Plantation 1, waiting on cas, had 14 ft of sand at 1685 ft, shows oil. J. F. Winans et al's Parker 2, dr 1750 ft. Roeser Pet. Co.'s Brooks & Auld 1, sd 3400 ft.

AUSTIN COUNTY—Harris Pet. Co.'s Schurenberg 1, sd 2300 ft. Owens et al's Watson 1, lcn.

BASTROP COUNTY—Smithville Drlg. Co.'s Adanchick 1, sd 1000 ft. Triangle Oil Synd.'s Fritag Valenta 1, dr 2050 ft. J. W. Watson et al's Tom Watson 1, sd 430 ft. Elgin Oil Synd.'s Ramsey 2, dr 750 ft.

BELL COUNTY—Nolan-Bell Oil Co.'s Bacon 1, sd 2155 ft. J. B. Hartman's Warrick 1, sd 2335 ft.

BRAZORIA COUNTY—E. P. Maloy et al's Emmett 1, dr below 3050 ft. Rancho Esabella Synd.'s Rudiger 3, sd 4800 ft. Mustang Oil Synd.'s Allison 2, fsh 3675 ft. Oliver Hall Oil Corp.'s Hall 1, sd 1990 ft. Reed Dev. Co.'s Jam-

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ison 1, cored 3580 ft. Transcontinental's Breen 5, at Old Ocean, to sdtr, td 4000 ft. Croesus Oil Co.'s Wilkerson 1, dr 2200 ft. Texas Co.'s Mound 36, Hoskin's Mound, cored at 2420 ft. William Sacks' Hogg Ranch 1, located on Jesse Thompson survey, 3 miles of Wichita Pet. Co.'s well at West Columbia, dr below 1500 ft, H. B. Flynn in charge of operations.

BRAZOS COUNTY — Cobbs Bros.' Williams 1, sd 2380 ft. Two Rivers Oil Co.'s Tabor 1, sd 1870 ft.

BURLESON COUNTY—Frank Balcer et al's Marek 1, sd 1440 ft, hauling cas. Caldwell Pet. Co.'s Speckman 2, dr 2045 ft. Federal Prod. Co.'s Giesenschlag 3, repairing rig 900 ft. Swastaca Oil Co.'s Rogers 2, dr 1350 ft; Rogers 1, co old hole 2800 ft. Chriesman Oil Co.'s Phelps 1, drill stem stuck 600 ft.

CALDWELL COUNTY—United North & South Oil Co.'s Cartwright 4, sd 2400 ft. Producers Oil Co.'s 1, dr 1800 ft.

CAMERON COUNTY—Rio Grande & Gulf Co.'s Champion 1, sd 4690 ft.

CALHOUN COUNTY—World Oil Co.

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CHAMBERS COUNTY—Thorning et al's LaCour 1, sd 2440 ft.

CHEROKEE COUNTY—Colliton Oil Co.'s Clapp 1, sd 2750 ft.

COLORADO COUNTY — Columbus Bernardo Oil Corp.'s Kaiser 1, sd 1595 ft.

ELLIS COUNTY — Beecher et al's Witherspoon 1, dr 3800 ft. Rolck-Banday's Hoosier 1, sd 1000 ft.

FALLS COUNTY—Mayflower Oil Co.'s Covington 1, sd 2400 ft. Highbank Oil Co.'s Peacock 1, sd 1625 ft. Penn-Texas Leasing Synd.'s Bargainer 1, sd 2140 ft. Texola & Hill Oil Co.'s Harlin 2, sd 2420 ft. Balto-Texas Oil Co.'s Price 1, dk up 3410 ft. Denny-Mexia Oil Co.'s Knapp 1, sd to std 3700 ft. Pearce Pet. Co.'s Clark 1, dr 3150 ft.

FORT BEND COUNTY—Iona Oil Synd.'s Moore 1, at Moore's Mound, dr below 3200 ft in blue gumbo; Hellmuth 1, moving in machinery. Gulf Prod. Co.'s Davis 2, dr 4025 ft; Wheat 3, dr 2425 ft. Belvedere Synd.'s Belvedere 1, sd 3500 ft. Big Creek Oil Co.'s Moore & Hager 1, dr 2300 ft. Richmond Fort Bend County Oil Synd.'s Bryan 1, dr below 800 ft in lime and gumbo. Neilan Oil & Ref. Co.'s Gobbels 1, dr 2500 ft; Brown 1, setting 8-in, td 2630 ft. Gulf Dev. Assn.'s Voegell 1, dr 3900 ft; Peckham 1, lcn. Lee et al's Ahlers 1, rigged up heavy rig 1450 ft. Booth Oil & Dev. Co.'s Booth 1, set cas 240 ft. Dr. Griffith et al's Moore 1, m 2445 ft, td 2885 ft. Dr. Miller's Armstrong 1, dk, moving out machinery.

GALVESTON COUNTY—Sun Co.'s Guidry 1, dr 900 ft. Texas City Oil Corp.'s Logan & Cook 1, sd 700 ft. The Pioneer Oil Co.'s Johnson 1, sd 100 ft. Patton Oil Co.'s Cade 5, sd 180 ft. High Island Mineral Co.'s 1, sd 225 ft. Galveston Oil Corp.'s Cash 1, lcn. Gordon et al's Fee B-1, dr 500 ft.

GONZALES COUNTY—Pioneer Oil & Gas Co.'s Patterson 1, preparing to set cas 2050 ft. H. W. Brewer et al's Billings 1, dr 1300 ft. Bryan & James' Moses 1, located 150 ft south of north line of the David Moses League, Block 5 of the Bryan James subdivision, dr 300 ft.

GRIMES COUNTY—Terry Dev. Co.'s Upchurch 1, sd 685 ft.

HARRIS COUNTY — Betty Lee Oil Co.'s Neese 1, sd 1870 ft. Tar-Tex Oil Co.'s Stewart 2, sd 1800 ft. The Humble Gulf Coast Oil Co.'s Dunks 2, sd 3200 ft. Willow Mound Oil Co.'s Gebhart 1, sd 2200 ft. Garrett Oil Co.'s Townsite 2, fsh 3075 ft. Ship Channel Oil Co.'s Atkinson 2, rigged up and sd. Giesecke et al's Giesecke 1, dr 2700 ft. Monarch Oil & Ref. Co.'s Hautier-Moyle, Green's Bayou, dr 1950 ft in gumbo. Texas Southern Pet. Co.'s Riden 1, sd 3270 ft. J. C. Stribling et al's Seareau 1, at Green's Bayou, dr below 3125 ft.

HARDIN COUNTY—Votah Oil Co.'s Swift 1, sd 2120 ft. C. G. Hooks et al's Dey 1, sd 1400 ft. E. F. Simms' Olive Sternenberg & Co. 1, located on the Joseph Landis survey 2, dr 600 ft.

HENDERSON COUNTY—Haynes et al's Woods 1, sd for pipe 2675 ft. Jones & Vaughn Oil Corp.'s Martin 1, sd 2980 ft. Pine Grove Oil Co.'s Brown 2, sd for repairs 315 ft. Tidal Oil Co.'s Moore 1, dr 3750 ft. Union Pet. Co.'s Smith & Logan 1, dr 3225 ft.

HIDALGO COUNTY—La Lomita Oil Synd.'s La Lomita Hill 3, twisted off 2185 ft. Dale L. Smith & Co.'s Fernandez 1, sd 2875 ft.

HOUSTON COUNTY—Porter Oil Co. Austin 2, sd 2395 ft. California Oil Co.'s States Eastman 1, dr 2250 ft. La-Tex Oil Co.'s Driskell 1, dr 2750 ft.

JACKSON COUNTY—Jackson County Oil Synd.'s Drushell 2, sd 2600 ft; Fuqua 1, sd 2200 ft. J. W. Young's Henley 1, sd 160 ft. Vanderbilt Pet. Co.'s Koop 3, sd 3660 ft.

JEFFERSON COUNTY—Houston Oil Co.'s Pipkin 2, dr 2800 ft. Tall Ridge Pet. Co.'s Tyrell 1, sd 3145 ft. Seaport Pet. Co.'s Emly 1, sd 4200 ft. Wilson Oil Co.'s Broussard, rigged up and sd.

LAVACA COUNTY—Hillja et al's Hillja 2, sd 1245 ft. Lavaca County Oil Co.'s Laass 1, dr 2600 ft.

LEON COUNTY—D. & P. Synd.'s Heath 1, rigged up. Lang & Brown's Bolder 1, sd 2765 ft.

LIBERTY COUNTY—Whaley-Cove Oil Co.'s Neils 1, sd 1010 ft. Fairchild Pet. Co.'s Peeler 1, dr 3875 ft, had 50 ft of shale with strong odor of gas.

MADISON COUNTY — Stone King Stipe's Jones 1, sd 1800 ft. R. S. Ayers & Currie's Herring Estate, dr 2400 ft. Hewell et al's Martin 1, sd 1800 ft. Midway Oil Co.'s Sea 1, dr 1600 ft.

MATAGORDA COUNTY—Cooper Pet. Co.'s Culver 1, sd 3200 ft. Economy Oil Co.'s Taylor 1, sd 3850 ft. Texas Gulf Sulphur Co.'s Big Hill Townsite 1, sd 1450 ft; Big Hill Townsite 2, sd 2690 ft. Wilkinson et al's Wadsworth 1, to bottom of hole 3000 ft. Cedar Lake Oil Co.'s Phillips 1, dr 1300 ft.

McCLENNAN COUNTY—Foster Oil Co.'s Schnecker 1, sd 1660 ft. T. J. Kingsbury's Williams 1, sd 440 ft. Mexia Commonwealth Pet. Co.'s Holloway 1, sd 1160 ft. Tudor Oil Co.'s Shelton 1, sd 1950 ft.

MILAM COUNTY—S. A. Guiberson's Posey 1, dr 3250 ft; Posey 2, sd 1545 ft. Tracy Maysfield Oil & Gas Co.'s Mays 1, sd 180 ft. Twin City Oil & Dev. Co.'s Bremond 1, sd 3395 ft. Norman Pet. Co.'s Watt 1, sd 1395 ft. Davis et al's Tracy 1, sd 795 ft. United Workers Oil Assn.'s Sneed 2, sd 600 ft. Mexia Air Line Synd.'s Reed 1, fsh for bit 1435 ft. The Lee Oil Co.'s Neuhaus 1, dr 1000 ft. Milano Uplift Oil Synd.'s Ashley 1, rigged up. R. E. Adams et al's Caywood 2, dr 950 ft. R. J. Barnes et al's Wm. Swan 1, lcn. Fogle & Marsh's Sandy Creek 1, dr 550 ft. O. T. Berry et al's Tom Robertson 1, dr 950 ft. F. C. Nelson's C. A. Laeffere 1, rigged up.

MONTGOMERY COUNTY—Tamina Prod. Co.'s McDermott 2, rigged up. Wilburton Oil Co.'s Smith 2, dr 850 ft. J. B. Hewitt's Folson 1, southwest corner G. W. Madeley lease, L. Y. Folson survey, lcn. Compers Oil Co.'s Medley 1, sd 300 ft.

ROBERTSON COUNTY—Kentucky Texas Oil Co.'s Walker Bros. 1, sd 3355 ft. Texas Central Pet. Co.'s Allen & McCrary 1, sd 3516 ft. Big Mexia Chief's Taylor 1, sd 1730 ft. Franklin Oil Co.'s Boyd 1, dr 4320 ft. Campbell-Mexia Pool's Quick 1, dr 3475 ft. Texas Union Oil Co.'s Moorehead 1, dk. Silver Bell Oil & Ref. Co.'s Brown 1, sd 3545 ft. Mud Creek Oil Co.'s Marquez 1, sd 3340 ft.

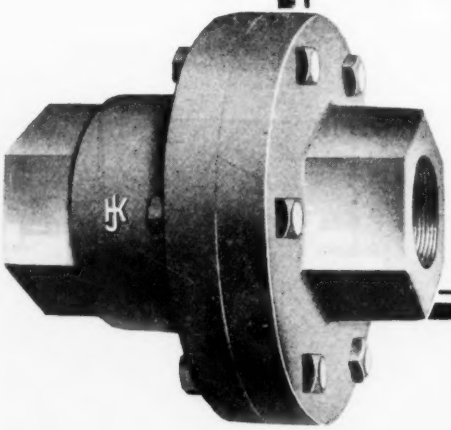
WALKER COUNTY—Prison Commission's Prison 2, sd 3465 ft. South Texas Prod. Co.'s Jones 1, sd 2400 ft. Union Oil Synd.'s 1, lcn. Lancaster-Dick et al's Eastham State Farm 1, dr 3300 ft; Vivian 1, dr 1825 ft; Currie et al's Ferguson State Farm 1, r 3225 ft. Walker Maderson Oil Co.'s 2, lcn. Shackelford et al's 1, on Anderson survey, setting cas to test 400 ft, shows little oil and heavy gas.

Kelly & Jones CHECK-VALVES for Pipe Line Service

BECKWITH Swing Check Valves have been used with the greatest satisfaction on pipe lines throughout the oil fields for many years. Made of all iron construction or iron with lead gasket if preferred—and in all standard sizes from two to six inches.

All valves are well made—accurately threaded to gauge—thoroughly tested and inspected and are guaranteed to give dependable service wherever installed.

We manufacture a complete line of valves and fittings for oil field service.



SEND FOR OUR NEW CATALOGUE "S."

THE KELLY & JONES CO.
GREENSBURG, PA.

PHILLIPS PETROLEUM CO. HAS LARGE PRODUCTION

Bartlesville, Okla., Oct. 30.—Earnings of the Phillips Petroleum Company for the third quarter of 1922, ending September 30, were $2,060,736.72.

Along with the financial statement the official report is that the production of crude oil and output of natural gasoline are at the highest figures in the history of the company. Most of the crude oil is being stored.

Recently this company uncovered a new oil pool in the north part of Butler County, Kansas. From four wells the company is getting something like 2000 barrels daily. Other wells are on the sand and the company has many acres of leases surrounding present production.

Yale, Okla., Oct. 30.—J. L. Heflin, superintendent for the Southern Oil Corporation here, was killed near here last Wednesday night. He was shot while going to a farm house to get help to move his stalled automobile. The assailant escaped.

Washington, D. C., Oct. 28.—Engineers of the United States Bureau of Mines recently inspected Early No. 1 natural gas well at Duchesne, Utah, which is giving off considerable ammonia gas. Arrangements were made for obtaining large samples in view of the pure scientific study of the occurrence of this gas and to determine what effect the gases may have on mining operations in the oil shale as the gas was encountered within the oil shale measures.

Cosden & Company

HIGH GRADE
PETROLEUM PRODUCTS

TULSA, OKLAHOMA

OKMULGEE OIL ASSOCIATION TAKES ASSOCIATE MEMBERS

Okmulgee, Okla., Oct. 30.—Membership requirements of the Okmulgee District Oil and Gas Association have been so changed that associate members are now accepted. This permits men in other lines of business to associate themselves with the oil industry in Okmulgee.

The Okmulgee organization has a sliding scale of memberships for the oil industry. The producer with 50 or more barrels of daily production pays $50 annual dues. Members having less production pay $30 a year. There is a $20 membership for men, who are employed in the oil industry but have no production.

Washington, D. C., Oct. 28.—As stated in a previous notice, the Bureau of Mines is revising its list of commercial laboratories to which correspondents are referred when they wish to have chemical analysis made. This is necessary because the policy of the Bureau of Mines does not permit making analyses for private individuals unless such analytical work forms a part of a larger project which is being carried out by the Bureau in the public interest. Due to an unforeseen delay the formal questionaires, which were to be sent out in connection with the revision of this list, have been held up. They are now being forwarded to the various laboratories, however, and a prompt response is hoped for. Laboratories, which are not on the present list, are invited to communicate with the Bureau of Mines, relative to their ability to carry out the various tests on petroleum products. The Bureau reserves the right, however, to limit the list to those laboratories that appear to be qualified to perform the work in question.

KEY TO ABBREVIATIONS

Following is the explanation of abbreviations and signs used in drilling reports, completions, etc.: *—dry, abandoned well; ‡—salt water; †—junked and abandoned; ¶—million cubic feet of gas; abn—abandoned; bbls—barrels; b. s.—basic sediment; cas—casing; co—cleaning out; dk—derrick; dr—drilling; fsh—fishing; ft—feet; in—inches; lcn—location; m—milling; N. S. E. W.—North, South, East, West; r—reaming; sd—shut down; sdtr—sidetracking; sp—spudded; sr—side reaming; std—standardizing; sw—salt water; td—total depth; ur—under reaming; wo—workover; wosr—waiting on standard rig.

Arkansas Wildcats

COMPLETION

Company, Well, Location	Initial Production bbls.	Depth
Ouachita County—		
Walker et al Hickman 1, 16-14-17	*	1915

DRILLING REPORT

BRADLEY COUNTY—Southern O. & L. Co.'s Blankenship 1, 20-12-19, sd 1890 ft; Bradley 1, 25-13-10, dr 3210 ft.

CALHOUN COUNTY—Calhoun O. & D. Co.'s Hernsberger 1, 16-11-13, sd 2530 ft. Herman Oil Co.'s Freeman-Smith 3, 31-14-15, coring 2275 ft.

CHICOT COUNTY—Duncalf Oil Co.'s Fee 1, 12-18-2, sd 1165 ft. Hoffman Oil Co.'s Lloyle 1, 28-17-2, dr 1800 ft.

CLARK COUNTY—Arkansas Synd.'s Barringer 1, 26-10-20, sd 2845 ft. Casey et al's Sloan 1, 18-8-19, dr 1100 ft. United Pet. Co.'s Langford 1, 28-5-23, sd 1590 ft.

COLUMBIA COUNTY—Bowdy et al's Fullenwilder 1, 12-17-22, rig. Brown et al's Robinson 1, 23-18-23, dr 1135 ft. Cox et al's Davis 1, 14-18-21, testing sw 2105 ft. Dexter et al's Davis 1, 13-18-21, sd 2675 ft. Hercules Oil Co.'s Wise 1, 29-18-21, sd 2565 ft. Hosey & McDonald's Haire 1, 30-19-18, dr 915 ft. Jones et al's Souter 1, 15-19-22, fsh 2756 ft Russell et al's Flint 1, 3-20-20, dk; Rushton 1, 7-19-19, sd 2400 ft. Sharp & Strough's Brown 1, 28-18-20, testing 8-inch 1145 ft. T. S. D. Co.'s Magale 1, 11-17-21, sd 3020 ft.

CRITTENDEN COUNTY—Crittenden County O. & G. Co.'s Stanley 1, 33-8-7, sd 1631 ft.

DREW COUNTY — Dunn-Marr Pet. Co.'s Hardy 1, 7-13-7, sd 1887 ft. Garrison et al's Smith 1, 26-13-5, testing 3083 ft. Graves et al's Coker 1, 22-11-7, rig. Holland et al's Doern 1, 9-12-4, sd 1190 ft. Stainke et al's Fee 1, 23-13-7, sd 2031 ft.

GRANT COUNTY—Grant County Oil Co.'s Stupka 1, 15-5-12, sd 1210 ft. Jeter & McGee's Cargile 1, 25-6-12, sd 700 ft. Par Oil Co.'s Breech 1, 31-4-11, dk. Winters et al's Lamb 2, 25-6-15, sd 1875 ft, showed dead oil and sw.

HESMPSTEAD COUNTY — Georgia Oil Co.'s Duckett 1, 28-10-23, sd 965 ft. Hawthorne et al's Allen 1, 33-11-26, sd 275 ft. Sechrist et al's Duckett 1, 24-13-24, fsh 2245 ft. Tycap Oil Co.'s Mason 1, 7-11-25, set 5 3/16-inch 2345 ft.

LA FAYETTE COUNTY—Ken-Saw Pet. Co.'s Fee 1, 31-19-24, dr 2875 ft. LaFayette O. & G. Co.'s Creek 1, 10-15-20, dk.

LINCOLN COUNTY — Lincoln Oil Co.'s Touchstone 1, 29-9-7, lcn.

LITTLE RIVER COUNTY—Sullivan Oil Co.'s Ludlow 2, 32-11-32, sd 1510 ft.

MILLER COUNTY—Dodwell et al's Miller 1, 29-18-27, sd 900 ft. Farmers O. & G. Co.'s Ramsey 1, 24-17-27, dk. Magnolia Pet. Co.'s Westmoreland 1, 9-19-27, r 2605 ft. Miller Land Co.'s Miller 1, 18-18-27, dk. Primero Oil Co.'s Bedgood 1, 2-16-18, sd 2200 ft.

NEVADA COUNTY—Bullock et al's Graves 1, 12-14-21, rig. Gleason et al's Williams 1, 12-14-20, sd 1005 ft. Goetz et al's Munn 1, 4-14-22, sd 400 ft. Gulf Ref. Co.'s Graves 1, 34-14-20, dr 1650 ft. Kan-Ark Oil Co.'s Brimberry 1, 21-13-21, sd 2270 ft. Murphy & Falke's Williams 1, 12-14-20, dr 1200 ft. Nelson et al's Lester & Haltom 1, 4-15-20, dry 2425 ft. Tri-County Oil Co.'s Drake 1, 3-15-20, sd 2325 ft. Watkins et al's Womack 1, 11-14-21, showed oil, sd 1192 ft. White et al's Phillips 1, 30-14-20, dr 750 ft.

OUACHITA COUNTY — El Dorado Union Oil Co.'s LaGrone 1, 36-15-17, dr 1685 ft. Lumbermens Pet. Co.'s Crichter 1, 27-14-19, sd 2300 ft. Southern Oil Co.'s Patterson 1, 22-12-9, fsh 2895 ft. Springer Oil Synd.'s Hecker 2, 2-14-17, sd 1475 ft. Universal Pet. Co.'s Benton 1, 24-12-19, fsh 3530 ft. Young et al's Haire 1, 28-15-19, dk.

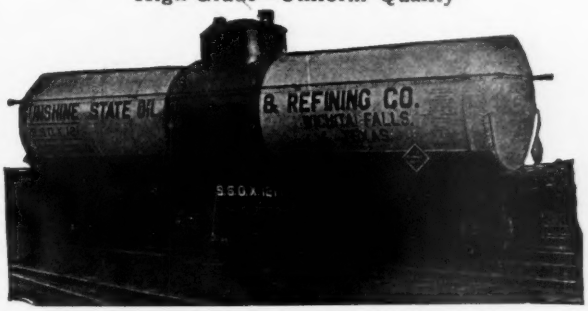
SWAN UNDERREAMERS

AT YOUR SUPPLY STORE

Made by BRIDGEPORT WICHITA

Petroleum and Its Products

High-Grade—Uniform Quality



Gasoline, Kerosene, Fuel Oil, Naphtha, Distillates

Sunshine State Oil & Refining Co.

(Incorporated)

Offices, 1019-1025 American National Bank Bldg. Wichita Falls, Texas

TRANSIT PUMPS

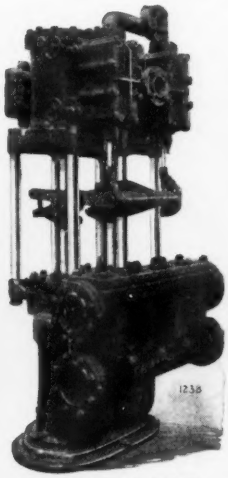


Fig. 1238—12x8x12"

Vertical Duplexes

Vertical pumps are always desirable where the floor space is limited. The fluid valves are so arranged that the pistons are always submerged.

The steam cylinders, fluid cylinders and stuffing boxes are relieved of the weight of the reciprocating parts, a condition conducive to longevity.

Many prudent pipe line and refinery men prefer these vertical duplex pumps on account of these advantages.

Bulletin 101 describes these pumps

NATIONAL TRANSIT PUMP & MACHINE COMPANY

OIL CITY, PA.

District Offices: New York, Philadelphia, Pittsburgh, Cleveland, Kansas City, Houston and Denver.

Louisiana Wildcats

COMPLETION

Company, Well, Location	Initial Production bbls.	Depth
Union Parish—		
Gardner et al Brown 1, 6-23-3w	*	2560

DRILLING REPORT

BIENVILLE PARISH—Davis Synd.'s Theus 1, 6-17-5, sd 2785 ft. Langston et al's Davis 1, 23-17-5, sd 1485 ft. Smitherman et al's Pentecost 1, 29-18-5, rock salt at 2750 ft; White 2, 29-18-5, dk timbers. Wadley et al's Lawhon 1, 8-16-8, set 12½-inch 205 ft.

BOSSIER PARISH—Andores Oil Co.'s Bolinger 1, 22-23-13, dr 1255 ft. Atlantic Prod. Co.'s Johnson 1, 21-22-13, fsh 3660 ft. Clark et al's Connell 1, 35-18-12, lcn. Collins et al's Gray 1, 28-19-13, testing casing 2550 ft. Corbett et al's Atkinson 1, 4-18-12, set 6-inch 1160 ft. Elliott et al's McLaughlin 1, 10-18-11, sd 500 ft. Hoenke et al's Freeman 1, 15-18-12, set 4½-inch 3200 ft. Invincible Oil Co.'s De-Moss 1, 20-22-12, dr 3065 ft. Morefield & Tanner's Bolinger 1, 9-22-11, lost hole and skidded dk, dr 50 ft; Harris 1, 21-22-11, rig. Olmstead et al's Scanlan 1, 10-20-13, set 10-inch 150 ft. Pardeen Land Co.'s Fee 1, 4-22-11, rig. Perkins et al's Gayle 1, 33-20-13, set 12½-inch 354 ft. Skannal et al's Fee 1, 22-17-12, dr 890 ft. Standard Oil Co.'s Rawls 1, 15-22-11, set 6-inch 2362 ft.

CLAIBORNE PARISH—Adams et al's O'Bannon 1, 25-22-5, dr 2465 ft. El Dorado Chief Oil & Gas Co.'s Kinder 1, 35-22-7, dr 2060 ft. Es-To Oil Co.'s Tuggles 1, 31-21-6, sd 2135 ft. Fullenwilder et al's Fullenwilder 1, 7-23-6, set 10-inch 850 ft. Harrell et al's Brinkley 1, 15-23-4, sd 1650 ft. Meyer et al's Boatner 1, 20-19-5, sd 1845 ft. Mitchell et al's Cooper 1, 12-23-4, sd 600 ft. Steel et al's Wise 1, 15-23-6, sd 3160 ft. Steuben O. & G. Co.'s Taylor 1, 16-22-6, dk. W. H. C. Oil Co.'s Dillon 1, 11-18-7, dr 1400 ft. Woodley Pet. Co.'s Smith 1, 23-20-6, dk.

EVANGELINE PARISH—Pine Prairie O. & G. Co.'s LeDanois 2, 34-3-1, sd 1230 ft.

DE SOTO PARISH—Fortuna Oil Co.'s Giauque 9, 32-12-11, testing 2743 ft. Pilgrim Oil Co.'s Ramsey 3, 34-13-16, dr 4300 ft. Simms Oil Co.'s Pelican 1, 8-11-11, dr 4015 ft. Snell et al's Connell 1, 8-12-14, testing 2991 ft.

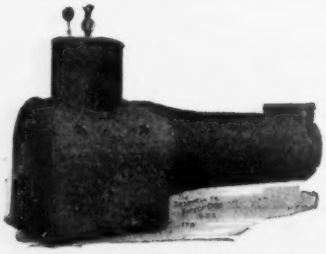
LINCOLN PARISH—Greer & Gault's Simmons 1, 25-18-1, dk. Roxana Pet. Co.'s Thomas 2, 24-18-4, dr 2230 ft.

NATCHITOCHES PARISH—Parks et al's Morse 1, 23-5-6, dk; Crowell-Spencer 1, 29-5-6, dk.

SABINE PARISH — Brown et al's Bowman-Hicks 1, 7-7-12, r 2200 ft; Bowman-Hicks 2, 15-7-12, sd 410 ft. Gladys Belle Oil Co.'s Belmont-Raines 1, 33-9-11, dr 2615 ft. Middlesex Oil Co.'s Smith 1, 17-7-10, dr 355 ft. Pathfinder Oil Synd.'s Long-Bell 1, 8-8-13, set 8-inch 1600 ft. Zwolle Oil Co.'s Bowman-Hicks 2, 15-7-12, set 8-inch 380 ft.

UNION PARISH—Price et al's Rogers 1, 23-23-2, to set 6-inch 2210 ft. Texas Co.'s Grayland 2, 20-23-3, sd 2860 ft; Taylor 1, 2-22-2, dr 3050 ft. Transcontinental Oil Co.'s Carroll 1, 12-22-2, casing leaking 3321 ft.

WEBSTER PARISH —.Dan .Boone Synd.'s Wheeler 1, 35-23-11, dr 150 ft. Brothers Synd.'s Cox 1, 14-22-10, lcn. Burkhalter et al's Burkhalter 1, 29-19-8, fsh 2250 ft. Doheny Oil Co.'s Howell 1, 11-22-10, lcn. Fortuna Oil Co.'s Becker 1, 35-23-11, lcn. Lloyd Harris's Pinewoods 4, 34-23-11, rig. LeGuerre Synd.'s Miller 1, 33-19-10, abn 1155 ft. Lucky 4 Oil Co.'s Baldwin 1, 28-18-10, sd 1600 ft. Raymond et al's Houston 1, 33-23-10, dr 2035 ft. Rogers et al's Gardner 1, 6-22-10, dk tmbrs. Shirley Tooker Synd.'s Andres 1, 6-18-10, dr 1100 ft. Smitherman & McDonald's Waller 1, 28-23-11, lcn. John Y. Snyder et al's Moore 1, 13-19-9, rigging up to deepen, 1405 ft. Tarver et al's Campbell 1, 2-22-10, rig. Triangle Drilling Co.'s Allen 1, 30-22-10, dr 1875 ft. J. K. Wadley's Pearce 1, 14-17-9, dr 2725 ft. Webb et al's Merritt 1, 13-21-10, sd 2558 ft.



Bulletin B-7

Quality Products stand out ahead of their field because of the attention given to the minor details. In all Brownell Boilers every rivet, every brace, every staybolt, every plate and detail is so constructed that there will be no "weak link."

THIS MAKES

BROWNELL

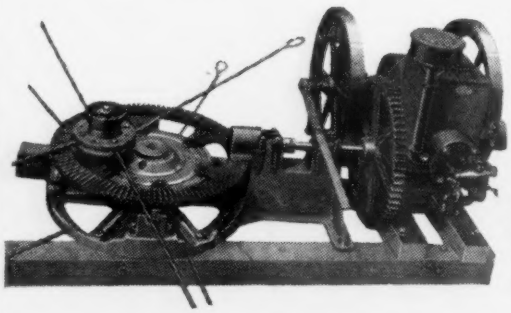
SYNONYMOUS WITH QUALITY

Brownell Standard Oil Country Boilers or Oil Country Boilers built according to the A. S. M. E. Boiler Code, are no exception to the Brownell Quality requirement.

THE BROWNELL CO., Dayton, Ohio, U. S. A.

Established 1855

Lightning No. 1 Power



A combined power and 6 or 8 H. P. engine or belt drive. Gives a powerful straight line pull in nearly any direction. A full 18-inch stroke to shackle lines insures production.

Write for Particulars

Address Oil Well Supply Department

Kansas City Hay Press & Tractor Co.

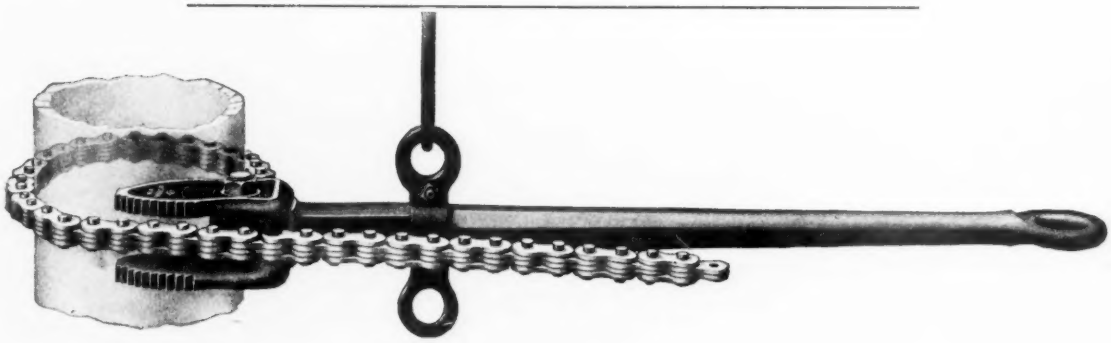
KANSAS CITY, MO.

SWAN UNDERREAMERS

AT YOUR SUPPLY STORE

Made By BRIDGEPORT WICHITA

"Maud"
The *GENUINE* Williams "Vulcan" Break-out Wrench



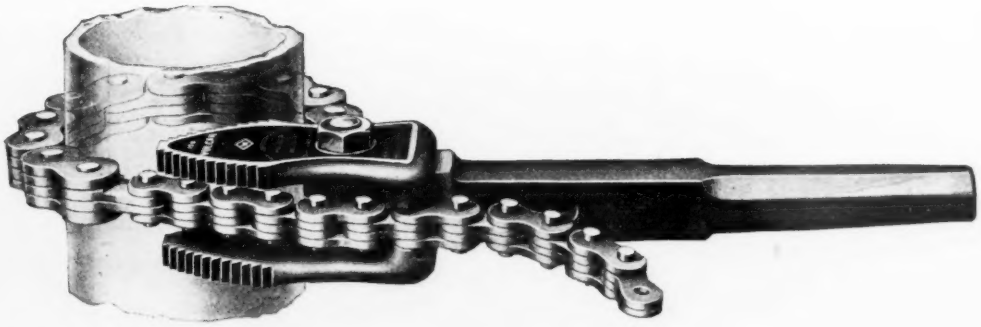
Superior Service

The genuine Williams' "Vulcan" Wrenches provide superior service for break-out and back-up work. They are powerful tools of rugged strength—easy to operate—absolutely dependable—fully guaranteed. Ask your dealer—literature on request.

J. H. WILLIAMS & CO.

"The Wrench People"

BROOKLYN	BUFFALO	CHICAGO
211 Richards St.	211 Vulcan St.	1211 W. 120th St.



The *GENUINE* Williams "Vulcan" Back-up Wrench

U. S. PRODUCTION STATISTICS FOR OCTOBER

(Cont. From Page 17)

Eastern States Summary
October, 1922

OHIO

County—	Completions	Producers	Gas wells	Failures	Initial Prod.
Jefferson	6	5	..	1	37
Monroe	8	4	2	2	14
Noble	7	1	1	5	1
Washington	23	13	1	9	170
Belmont	2	1	..	1	40
Mukingum	1	..	..	1	....
Columbiana	1	..	..	1	....
Coshocton	1	..	..	2	....
Mahoning	2	..	..	2	....
Fairfield	3	1	1	1	5
Clinton	1	..	1	..	....
Vinton	2	..	1	1	..
Jackson	2	..	2	..	....
Perry	6	2	3	1	55
Ashland	7	3	2	2	7
Licking	14	9	2	3	167
Wayne	12	1	6	5	25
Hocking	14	6	6	2	526
Holmes	16	1	14	1	60
Medina	26	2	18	6	28
Knox	68	39	14	5	181
Athens	2	..	1	1	....
Cuyahoga	1	..	..	1	....
Scioto	1	..	1	..	....
Richland	1	1	..	..	3
Mercer	2	2	..	..	7
Hancock	10	10	..	..	195
Wood	4	4	..	..	568
Sandusky	6	6	..	..	117
Hardin	1	..	1	..	....
Drake	1	1	..	..	129
Ottawa	3	3	..	..	31
Allen	5	5	..	..	80
Seneca	2	2	..	..	2,040
Lucas	2	2	..	..	32
Auglaize	2	2	..	..	13
Totals	255	127	77	51	4,536

NEW YORK

Allegany	15	13	1	1	38

WEST VIRGINIA

County—	Completions	Producers	Gas Wells	Failures	Initial Prod. bbls.
Putnam	2	..	1	1	....
Wirt	5	4	..	1	15
Lincoln	6	..	5	1	....
Magnolia	1	..	1	..	....
Calhoun	11	2	8	1	5
Lewis	3	..	3	..	....
Harrison	2	2	..	..	8
Tyler	3	2	1	..	8
Wetzel	4	2	2	..	12
Wood	5	2	..	3	3
Marion	5	1	2	2	10
Pleasants	14	8	3	3	29
Ritchie	21	4	8	9	16
Gilmer	14	3	10	1	41
Taylor	1	..	..	1	....
Doddridge	8	5	1	2	14
Monongalia	5	4	..	1	60
Roane	4	2	1	1	9
Kanawha	3	1	2	..	10
Marshall	2	1	1	..	10
Jackson	2	1	..	1	2
Totals	121	44	49	28	252

ILLINOIS

County—	Completions	Producers	Gas wells	Failures	Initial Prod.
Crawford	5	6	..	..	65
Marion	12	10	1	1	630
Clinton	1	1	..	..	65
Clark	4	3	..	1	28
Lawrence	1	1	..	..	30
Total	24	21	1	2	818

KENTUCKY

Monroe	2	2	..	..	324
Wolfe	1	1	..	..	10
Lee	2	2	..	..	70
Johnson-Magoffin	17	15	2	..	98
Warren	20	20	..	..	372
Cumberland	11	9	1	1	590
Allen	61	49	..	12	989
Simpson	2	2	..	..	15
Barren	2	1	1	..	25
Estill	1	1	..	..	5
Floyd	1	1	..	..	7
Daviess	1	1	..	..	10
Wayne	2	2	..	..	8
Powell	3	..	3	..	....
Totals	126	106	7	13	2,523

INDIANA

Field—	Completions	Producers	Failures	Init. Prod.	Monthly Prod.
Jay	10	8	1	1	95
Pike	1	1	..	..	5
Gibson	1	..	..	1	....
Adams	1	1	..	..	3
Huntington	3	3	..	..	15
Sullivan	1	1	..	..	4
Vigo	1	..	..	1	....
Totals	18	14	1	3	122

PENNSYLVANIA

County—	Completions	Producers	Gas wells	Failures	Initial Prod.
Washington	10	4	5	1	34
Beaver	8	5	2	1	13
Allegheny	16	7	2	7	96
Greene	22	6	15	1	354
Clarion	7	5	1	1	20
Butler	15	12	1	2	69
Tidioute Field	2	1	1	..	300
Center-Middle Field	20	14	2	4	735
Venango	17	14	2	1	47
Bradford Field	29	28	..	1	153
Kettle Creek	1	..	1	..	....
Forest	1	..	1	..	....
Totals	148	96	33	19	1,821

Arkansas Summary
October, 1922

ARKANSAS CONDENSED SUMMARY

Field—	Completions	Producers	Gas wells	Failures	Initial Prod.
El Dorado	15	14	1	..	*2,440
Smackover	9	5	3	1	†15,200
Stephens Dist.	4	4	..	..	145
Wildcats	5	..	..	5	....
Totals	33	23	4	6	‡17,785

*25,000,000 gas.
†90,000,000 gas.
‡115,000,000 gas.

ARKANSAS APPROXIMATE MONTHLY PRODUCTION

	Barrels
El Dorado	827,420
Smackover	213,620
Total	1,041,040

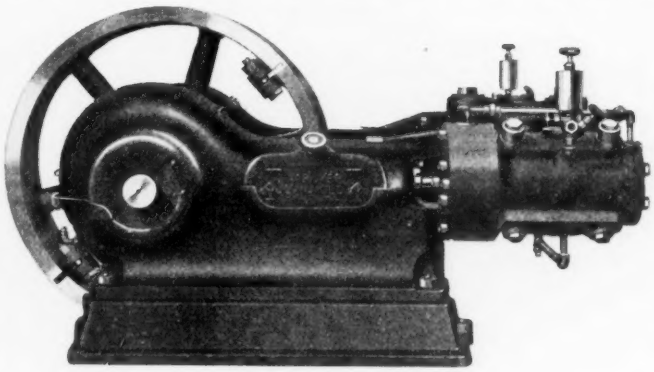
ARKANSAS

Company, Well, Location	Initial Production bbls.	Depth
El Dorado Field—		
Biles & Wilroy, Brown 1, 20-17-14	275	2145
E. L. Coleman et al's Pendleton 3, 21-18-15	110	2133
El Dorado Gas Co.'s Gaddy 2, 30-17-14	150	2277
Gardner et al's West 1, 19-17-14	225	2175
Gardner et al West 2, 19-17-14	250	2171
West 3, 19-17-14	100	2180
Joiner et al's Traylor 1, 9-19-15	130	2172
Livingston Oil Corp.'s Rock Island 8, 33-18-15	200	2132
Marr et al's Thurkhill 1, 29-18-15	100	2174
McMurray Drilling Co.'s Brown 1, 20-17-14	400	2187
Ozark Oil Co. Cranston 3, 19-17-14	125	2168
Tarkington et al's Cullens 3, 9-19-15	50	2187
Tarkington et al's McKinney 1, 9-19-15	50	2187
Woodley et al's Lovett 2, 5-18-14	¶25	2191
Zoder et al's Moody 1, 17-17-14	275	2177
Smackover District—		
Dasko et al McKenzie 1, 36-15-16	¶5-2000	2000
George & Jones Drlg. Co.'s Umstead 1, 4-16-15	¶30	1964
Harris Drlg. Co.'s Spaha 1, 35-15-16	¶15	2024
E. M. Jones et al Laney 1, 31-15-15	¶25-5000	2021
J. W. Olvey et al's Umstead 1, 5-16-15	¶15	1895
Simms Oil Co. J. E. Murphy 2, 28-15-15	3000	2038
E. C. Thompson et al's Arnold 1, 24-15-16	‡	2532
V. K. F. Drilling Co. Richardson 2, 29-15-15	1200	2067
Woodley Pet. Co. Richardson 1, 29-15-15	4000	2068
Stephens District—		
Columbia Oil & Gas Co.'s Hall 2, 11-15-20	10	2185
Hude & Aarnes' Atkins 1, 13-15-20	75	2089
Queenen-Wells Dudney Synd.'s Webfer 1, 25-15-20	45	2127
Queenen-Wells-Dudney Synd.'s Webfer 2, 25-15-20	15	2099

WILDCATS

Calhoun County—		
Hermann Oil Co.'s Freeman-Smith 2, 27-14-15	*	3005
Columbia County—		
American Oil & Gas Co. Hicks 1, 21-16-22	*	2137
Ohio Oil Co.'s Smith 1, 5-20-19	‡	3421
Oklahoma Pet. Corp.'s Walker 2, 6-19-20	*	1465
Dallas County—		
Ohio Oil Co.'s Taylor 1, 27-9-17	*	1880

GARDNER COMPRESSORS



Gardner Gasoline Extraction Compressor

Built for extracting gasoline from casinghead gas or natural gas by two-stage compression

Although compressed air for power and mechanical purposes has been in use for years and years it has been confined to the low stages of compression until within a comparatively recent period. It is only within the last half century that the greatest practical uses of this natural utility have been so highly developed.

Scarcely an industry exists that does not nor cannot, untilize compressed air in some way. It is a very desirable means of power as it is easily transmitted with a small percentage of loss, is cleanly, convenient and uniform.

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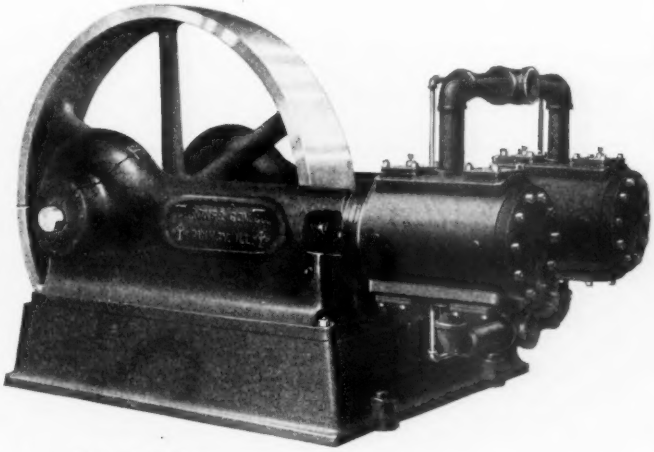
Gardner's 60 years of experience in building this class of machinery is good "insurance" to buy.

Gardner Duo-Plate Valve Vacuum Pump

Used in gasoline extraction plants for bringing gas from the wells.



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El Dorado, Arkansas

Shreveport and Haynesville, Louisiana

Louisiana Summary
October, 1922

LOUISIANA CONDENSED SUMMARY

Field—	Completions	Producers	Gas wells	Failures	Initial Prod.
Elm Grove	..	..	..	..	....
Bellevue	5	1	1	3	*125
Homer	..	..	..	..	....
Haynesville	14	11	..	3	1,380
Bull Bayou	3	1	..	2	600
Caddo	6	2	..	4	20
Monroe	6	..	6	..	¶63½
Wildcats	14	1	7	6	¶50½
Vinton	3	2	..	1	130
Evangeline	1	1	..	..	60
Edgerly	..	..	..	..	....
Anse LaButte	..	..	..	..	....
Totals	52	19	14	19	2,315
					¶117

*3,000,000 feet gas.

SWAN UNDERREAMERS

AT YOUR SUPPLY STORE

Made By BRIDGEPORT WICHITA

LOUISIANA APPROXIMATE MONTHLY PRODUCTION

	Barrels
Elm Grove	29,265
Bellevue	159,215
Homer	437,805
Haynesville	1,715,260
Bull Bayou	192,695
Caddo	352,345
Vinton	136,430
Evangeline	16,505
Edgerly	11,035
Anse La Butte	2,975
Total	3,053,530

SOUTH LOUISIANA

Company, Well, Location	Initial Production bbls.	Depth
Evangeline—		
Sucess Prod. Co.'s Fontenit 2, wo	60	1810
Vinton—		
Gulf Ref. Co.'s Matilda Gray 1	*	3650
Gulf Coast Oil Corp's Vincent 7	60	2725
Vinton Pet. Co. Gray 35	130	2430

NORTH LOUISIANA

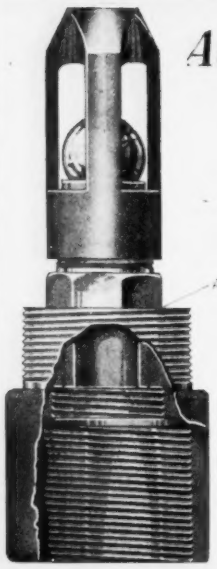
Company, Well, Location	Initial Production Bbls.	Depth
Bellevue Shallow Field—		
Gulf Ref. Co.'s Bliss & Weathbee A-10, 15-19-11	125	379
Humble O. & R. Co.'s Taylor 1, 16-19-11	‡	406
Humble Oil & Ref. Co. Bliss & Weatherbee B-4, 15-19-11	¶3	351
Standard Oil Co.'s Kendrick A-2 22-19-11	‡	295
Caddo Parish—		
Dixie Oil Co.'s Files-Mabry B-4, 14-21-15	15	981
Doan Oil Co.'s Louisiana Oil Co. 1, 5-20-15	*	2770
Eades et al's Pitt 1, 30-22-14	*	1265
Integrity Oil Corp.'s Spencer 1, 5-14-13	‡	3255
De Soto Parish—		
Tarver et al's Rock 1, 32-12-11	600	2700
Haynesville Field—		
Gilliland Oil Co.'s Taylor 7, 14-23-8	5	2855
Ohio Oil Co.:		
Garrett 10, 23-23-8,	135	2852
Garrett 24, 23-23-8	300	2830
Sherman 13, 15-23-8	100	2807
Sherman 18, 15-23-8	90	2810
J. R. Sherman 5, 23-23-8	200	2827
T. W. Sherman 19, 15-23-8	80	2806
T. W. Sherman 2, (Acct. 2), 24-23-8	100	2855
Ohio Oil Company H. P. Camp 3, (Acct. 3), 24-23-8	200	2835
Simms Oil Co.'s Lee 2, 18-23-8	‡	2852
Smitherman & McDonald's Winn 6, 8-23-8	*	3182
Winn 4, 8-23-8	40	2803
Monroe District—		
Huber Carbon Co.'s Fee 2, 5-18-5E, Ouachita Parish	¶30	2233
Morris, Trustee's Crossett Lbr. Co. 9, 14-21-4	¶3½	2252
United Oil & Gas Prod. Co.'s Eldridge 1, 27-20-5	¶13	2244
Morehouse Parish—		
Tensas Delta Land Co.'s 2, 26-22-4, Morehouse Parish	¶5	2158
Ouachita Parish—		
Southern Carbon Co.:		
Fee 13, 9-19-5E	¶4	2263
Fee 14, 9-19-5E	¶6	2245
Sabine Parish—		
Brown et al's Bowman-Hicks Lbr. Co. 3, 15-7-12	¶½	375
Webster Parish—		
Palmer et al Pinewoods Lumber Co. 1, 35-23-10	¶25	2662

WILDCATS

Company, Well, Location	Initial Production Bbls.	Depth
Bossier Parish—		
Flournoy et al Kirby 1, 36-18-13	‡	3000
Claiborne Parish—		
Gulf Ref. Co.'s Meadows 1, 20-21-7	‡	2339
Opal May Oil Co.'s Kelly 1, 3-23-4	*	3001
De Soto Parish—		
Fortuna Oil Co.'s Polly 8, 18-12-10	*	3460
Lee et al's Joiner 1, 28-11-12	‡	3014
Webster Parish—		
Arkansas Nat. Gas Co. Louisiana 1, 24-23-10	†	3053
Empire Drlg. Co.'s Spencer 1, 5-21-9	*	3240
Humble Oil & Ref. Co. Hicks 1, 10-22-9	‡	3282
Ohio Oil Co. Sexton 1, 31-23-9	¶10	2670
Rosemont Synd.'s Gruner 1, 21-20-8	*	1742

KEY TO ABBREVIATIONS

Following is the explanation of abbreviations and signs used in drilling reports, completions, etc.: *—dry, abandoned well; ‡—salt water; †—junked and abandoned; ¶—million cubic feet of gas; abn—abandoned; bbls—barrels; b. s.—basic sediment; cas—casing; co—cleaning out; dk—derrick; dr—drilling; fsh—fishing; ft—feet; in—inches; lcn—location; m—milling; N. S. E. W.—North, South, East, West; r—reaming; sd—shut down; sdtr—sidetracking; sp—spudded; sr—side reaming; std—standardizing; sw—salt water; td—total depth; ur—under reaming; wo—workover; wosr—waiting on standard rig.



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THE
NATIONAL SUPPLY
COMPANIES

Kansas Summary
October, 1922

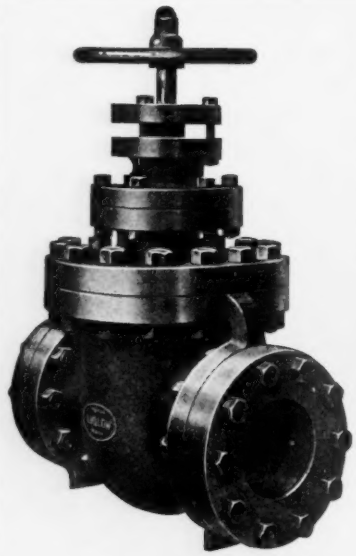
KANSAS

Company, Well, Location	Initial Production bbls.	Depth
Butler County—		
Baisgue et al Gross 1 NWc SW 36-25-6e	*	2800
Boss Oil Co. Brown 1 NWc NE NW 36-28-5e	*	2830
Hoggart 2 NWc SE SW 1-29-5e	40	2978
O. A. Boyle Runnell 2 SEc SW 26-28-5	10	2830
Braden & Gore Covery 1, SEc NE SW 36-27-5e	175	2685
Branson et al Daughty 1 SEc NE SW 5-27-6	10	2780
Connell Pet. Co. King 1 NEc NW NE SW 16-27-6	*	2815
Dickinson et al Haver 3 SWc 30-29-6	75	2745
Elwell et al Hance 1 NEc SE 27-28-5e	75	2770
Garden & Smith Boellner 1 SEc SW SW 10-27-6w	*	2790
Hoyt et al Dahlen 1 NEc SW 11-26-6	*	2820
Hoyt et al Sumhoff 1 SWc NW NW NE 20-27-6e	*	2845
Lewis Oil Co. Craig 1 NEc SE 22-28-5e	25	2785
Maubry et al Little 1 SWc NW 27-29-6	*	2900
Morgan & Sweatt Myers 1, NEc SW NW 35-28-5e	*	2800
George Neiman et al Artz 1, NEc SW NE 19-24-4e	*	2880
Phillips Pet. Co. Davis 1 NEc 12-24-4	950	2463
Phillips Pet. Co. Shepard 1 NWc 7-24-5	900	2475
Prairie Oil & Gas Co. McCrander 1 C SE NE NW 1-25-3	*	2705
Ramsey & Lloyd Lehman 1, SWc 35-28-6e	25	2890
C. I. Ross King 1 C NE NE NE 34-28-5e	*	2815
Shawver & Sutter Meyers 1 NEc SW 27-28-5e	50	2800
Trapp & Curtis Blair 1 SWc SE SE SE 26-29-6	*	3170
Chase County—		
Springstead et al Nations 1 NWc SE 21-21-9	*	2660
Cowley County—		
Ballien et al Durry 1 NEc 31-31-6e	*	3010
Casidy Oil Corp. Magmison 1, NWc SE 14-30-4e	*	2825
T. B. Slick Olson 1, SWc NE 1-35-7e	60	2385
Titus et al Eastman 1 C E L SW NE 7-31-6	*	2875
Elk County—		
Southwestern Gas Co. Kirby 1 SWc NE 34-29-10	*	2050
Greenwood County—		
Altenberk et al Fees 5 NEc SE 12-24-12	10	1670
Central States Oil Co. Seeley 3 NEc SW NW 5-23-11e	250	1990
R. G. Gillespie Swanson 6 C S L E½ SE 20-23-13	35	1699
Swanson 7 C E L E½ E½ SE 20-23-13	50	1710
Hookey et al Dehlinger 2 NWc NE SW 32-23-13	10	1720
Dehlinger 3 C N L N½ NE NW 32-23-13	*	1780
Dehlinger 4 C E L NE NW 32-23-13	60	1750
Ireland et al Sharpe 1-B NEc NW NE SW 7-24-13	40	1660
Marshall Oil Co. Dame 9 C NW 12-24-12	15	1725
Mid-Kansas Oil Co. Dilbert 1 NWc NE NW NW 3-25-9e	150	2340
Ed Parkins et al Zink 1 SEc NE 24-23-9	*	2375
Phillips Pet. Co. Seeley 1, NE cor SE 6-23-11e	75	1980
Polhamus et al Marshall 3 C S L SW SW 34-24-9	200	2320
Rhodes et al Boyer 1 NEc SE SE 27-25-10	*	2095
Sharples et al Richardson 1 SWc 29-26-12	*	2205
Skelly Oil Co. Pedroja 1 NWc SW 6-22-12	25	1855
Smith & Bibson town lot 6 NEc 24-25-10e	*	2210
Theda Oil Co. Snowden 2 SWc NW NW 3-23-13	25	1830
Snowden 8 NWc SW 10-23-10	40	1615
White Eagle Oil & Ref. Co. Seeley 2 NWc SE NW 5-23-11e	300	1985
Lyons County—		
Duffield & Mason Elrod 1, SE cor NE 36-21-11e	*	2000
Producers & Refiners Corp. Gardner 1 SEc SW 17-21-13	*	2265
Marion County—		
Carter Oil Co. Jensen 1 SWc 23-22-4e	*	2595
Pearce et al Brogman 1 NWc SE 26-21-2e	*	2775
Ramsey-Lloyd Oil Co. Riever 1 SEc NE 6-22-4e	*	2530
Watchorn O & G. Co. Townsend 23 SEc NE SE 5-22-4	100	2480
Pattowatomi County—		
Tri-State Oil Co. Dempsey - C NW 23-6-9e	*	1795
Sumner County—		
Arkansas River Gas Co. Kahn 1 NEc NW 14-35-2e	¶3½	2090
Woodson County—		
Empire Gas & Fuel Co. Hissler 3 NWc 23-23-13	50	1845

Oklahoma Summary
October, 1922

NORTH OKLAHOMA

Company, Well, Location	Initial Production bbls.	Depth
Kay County—		
Alcorn Oil Co. Endicott 1, C SE NW SE 35-25-1w	¶3	660
Ballentine et al Sterritt 1, C NE NE NE 29-27-1	¶3	925
Balentine et al Vickery 1 SEc SW SW NW 18-27-1e	¶7	760
Blackwell O. & G. Co. Magette 1, C N L SE SW NW 13-26-12	¶2	710
Blackwell O & G Co. Magette 1 SEc NE NW NW 13-26-1w	¶4½	710
McCaskey & Wentz McKee 1, C SE SE SW 34-25-1w	1000	2022
Noble County—		
Amerada Pet. Corp. Smith 3, C NE NW NE 15-24-1w	50	2140
Billings Oil Co. Whittier 1, NEc SE SE 5-23-2w	*	2790
Blackwell O & G Co. Ruzek 4 NEc NW 3-24-1w	1150	2045
Carter Oil Co. et al Morris 1 C NW NW SE 15-24-1w	*	2730
Champlin Ref. Co. Morris 3 NWc SE SW 15-24-1w	*	2765
Comar Oil Co. Carmichael 2, NWc NE 3-24-1w	500	1925
Carmichael 3, NWc SW NE 3-24-1w	3250	2620
Comar Oil Co. Blubaugh 3, C NE SW 2-24-1w	¶1½	830
See 12, C SW NW SW 15-24-1w	50	2010
Comar Oil Co. Rucik 3 NEc SE 3-24-1w	300	1890
Cosden & McFarland school land 1, C SE NE SE 16-24-1w	50	2010



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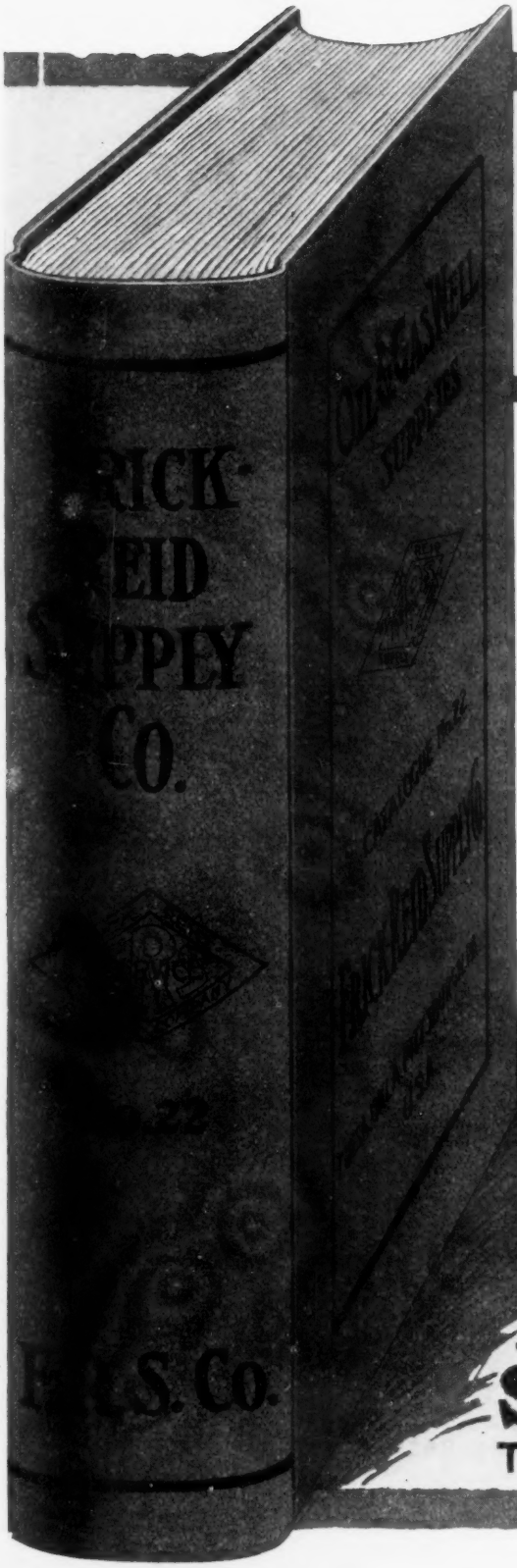

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TULSA, OKLA PITTSBURGH, PA

Company, well, location	Initial Production bbls.	Depth
Gypsy Oil Co. Shawver 1, C W½ NW 2-24-1w	¶12	840
Gypsy Oil Co. Shawver 1, C SE SE NW 2-24-1w	325	1870
Gypsy Oil Co. Evans 2, C SW SW NE 10-24-1w	1000	2640
Phillips Pet. Co. Mahoney 1, NWc NE SW 32-23-2w	*	3375
Southwestern Pet. Co. Murray 20, C SE SW SW 10-24-1w	*	2145
Southwestern Pet. Co. Murray 13, SWc SE SW 10-24-1w	1700	2630
Murray 19, C S L N½ SW 10-24-1w	1400	2637
Southwestern Pet. Co. Murray 16 C NW SE SW 16-24-1w	*	2125
White Eagle O. & R. Co. Novotney 3. NWc SW SE 10-24-1w	950	2628
Osage County—		
Atlantic Oil Prod. Co. 1, NEc SE NE SW 1-22-9	*	2585
Barnsdall Ref. Co. 8, SEc NW 13-25-11	15	1730
Carter Oil Co. C SE SE SE 8-26-6	375	2878
Carter Oil Co. 13, C NE SW NE 8-26-6	350	2890
Carter Oil Co. 12, C SE SW NE 8-26-6	225	2868
Celestine Oil Co. 7 NEc SW NE SE 33-25-9	10	2125
Cosden Oil & Gas Co. 7, SWc NW 8-26-6 (bad fishing job)	*	2890
14, C NW SE NW	200	2930
Cosden O. & G. Co. 3, SWc NE SE NE 6-26-6	225	2955
3, C NE SE NE 17-26-6	125	2930
10, NWc SW 8-26-6	125	2880
Cosden Oil and Gas Co. 15 NEc SW NW 8-26-6	25	2920
Dallas-Osage Oil Co. 70, SEc NW NE 24-27-10	85	1959
Evidence Oil Co. 1, SWc NE 16-23-10	10	2948
Fidelity Oil Co. 3, NEc SW NE SE 16-21-12	15	1350
Finance Oil Co. 1, C S L SE 27-27-10	*	2325
W. J. Fletcher 1, C W L S½ SW 6-22-10	25	2010
L. Friedman 6, C SE SW SE 6-26-6	25	2890
Friedman et al 7, SWc SE 6-26-6	300	2880
Gardner Pet. Co. 3 NEc SE NE NE 12-26-5	100	2985
Gypsy Oil Co. 1, SEc 24-27-5	10,000	2975
2, C SW SE SE 19-27-6	1200	2957
3, C SE SW SE 19-27-6	2000	2957
2, C SW SE NW 29-27-6	600	2970
3, C SE SW NW 29-27-6	500	2975
11, C SE NW NW 29-27-6	1200	2988
15, C NE SW NW 5-26-6	200	2913
Gypsy Oil Co. 1, C SE 19-27-6	1200	2975
8, C NE SE NW 29-27-6	900	2970
12, C NE NW NW 29-27-6	1500	2960
Gypsy Oil Co. 4, SWc SE 24-27-5	650	2995
10, C NE SW NW 29-27-6	600	2980
Gypsy Oil Co. 3 NWc NE NW NW 7-26-6	25	2940
Kay County Gas Co. 1, NW NE NW SE 33-27-5	¶10	2050
Kewanee O. & G. Co. 2, NEc SE 7-26-6	125	2853
Marland Ref. Co. 1, NW SE 34-25-9	25	2150
No. One Oil Co. 5, SEc SW 17-24-9	150	2160
Oklahoma Nat. Gas Co. 611, C E L E½ NE 28-20-12	¶13	1625
Owen-Osage Oil Co. 216, NWc NE NE NE 34-28-11	*	1930
Owen Osage Oil Co. 217, C W L W SW 26-28-12	¶1¼	750
Peters et al 3, C E L NE 23-25-9	40	2030
8, NWc SE NW SW 4-23-9	*	2810
Peters Oil Co. 5, C SE N½ S½ NE 23-25-9	50	2280
Peters Oil Co. 1 SWc NE 6-22-9	25	2600
Phillips et al 14, C NE NW NW 30-27-6	650	2975
Phillips Pet. Co. 1, SWc 19-27-6	1200	2978
5, C NW SW NE 29-27-6	1500	2950
Phillips et al 3, SWc SE SW NE 29-27-6	1200	2970
12, C SW NE NW 30-27-6	750	2970
13, C SW NE SE 25-27-5	100	2965
Phillips Pet. Co. 3 M C SW SE SW 19-27-6	800	2975
Phillips Pet. Co 7 C NW SE NE 29-27-6	1000	2965
Phillips & Skelly 4, SEc SW 19-27-6	700	2980
Phillips & Skelly 2, S SE SW SW 19-27-6	500	2905
4, SEc SW 24-27-5	750	3000
6, SWc NW NW 25-27-5	125	3050
Waite Phillips 1, SEc 35-27-6	500	2980
Prairie Oil & Gas Co. 15 30-27-6	250	2960
Price Oil Co. 1, NWc 20-21-11	*	2465
Producers & Ref. Corp. 6, C SW NW NE 16-26-6	100	2940
Rex Pyramid Oil Co. 2, NEc 26-23-10	10	1800
6, SWc NW 25-27-6	800	3015
Roxana Pet. Corp. 13, C SW NE NE 36-27-6	350	2995
Roxana Pet. Corp 11NW SW NE 36-27-5	200	2985
Simmons & Moore 16, NWc SW 1-26-5	125	2947
Sinclair Oil & Gas Co. 11, C SE SW SE 29-27-6	850	2975
13, C SE NW SE 29-27-6	500	2980
10, C NW SW SE 29-27-6	500	2975
12, C SW SE SE 29-27-6	650	2905
Sinclair O. & G. Co. 13, C SE NW NW 33-27-6	400	2975
14, NEc NW SW 36-27-5	450	2975
16, C NW NE NE 32-27-6	975	2930
14, C NE NW SW 36-27-5	450	2975
Skelly Oil Co. 13 NWc SE NW SW 10-22-9	10	2235
Tidal Osage Oil Co. 15, SWc SE 15-27-7	*	3340
16, C SE NW SW 30-27-6	600	2970
Tidal Osage Oil Co. 14, C NW SE SW 30-27-6	200	2950
Tidal Osage Oil Co. 7 NEc SE NE SW 6-26-6	600	2880
Tidal Osage Oil Co. 9 C SE NW SE 4-26-6	125	2800
C. W. Titus 1, NWc SE 35-23-10	*	1990
Pawnee County—		
Earl Beard et al Terlton 1, C W L SE SE SW 19-20-8	50	2475
Bell & Eardmon Harrington 1 NEc SE NE 20-22-7	*	3440
Bradstreet Oil Co. Mangon 6, SWc NE SW 36-20-8	200	2895
Bradstreet Oil Co. Mangan 8 NWc NE SW 36-20-8	25	2105

7 Plants

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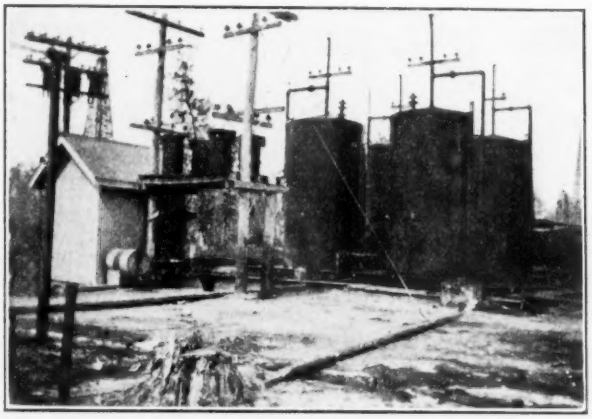

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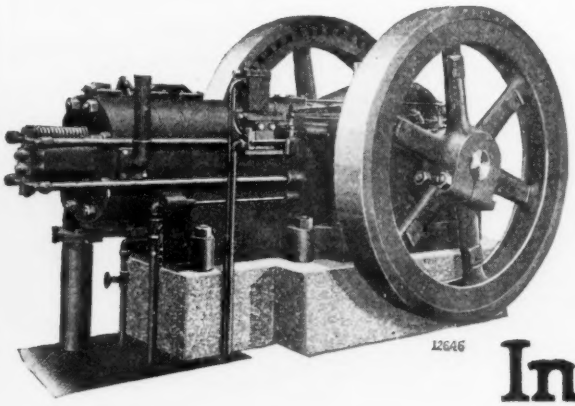

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WILLIAMSPORT, PA.

Company, Well, Location	Initial Production bbls.	Depth
R. E. Freeman Armstrong 1, SWc NE NW 17-21-7	25	2640
Josey Oil Co. Embry 3, NEc NW SW SE 21-20-6	10	3030
Josey Oil Co. Scott 1, SWc NW NW 22-20-6	¶8½	2785
Josey Oil Co. Scott 1 SWc NW NW 22-20-6	¶8½	2785
Oklahoma Central Oil Co. Mangon 2, SWc NW NW SE 36-20-8	20	2998
Schoenfeldt Wells 2, C N L NE SW 12-20-7	*	2980
Steinberger et al Flynn 2, SEc SW SW 19-20-8	*	2470
Stone et al Lesher 1 SEc NE 21-20-6	¶11	2799
Wooster Drilling Co. Terlton 1, SWc NW SW SE 19-20-8	100	2490
Wooster et al townsite 1, SWc NE NE SE 19-20-8	100	2460

OKMULGEE SECTION

McIntosh County—

Company, Well, Location	Initial Production bbls.	Depth
Aggas & Campbell Griffin 1 C W L E½ NW NW 33-12-14	¶2	640
Bandy et al Broadnox 1 C SE SW 16-12-14	¶1½	740
Humphreys et al Smith 3 C W L NW NW 32-12-14	*	850
Ludemon et al Barnwell 1 NWc SE 13-12-14	*	2095
Okmulgee Offset Oil Co. Griffin 3 NWc SE SW 30-12-14	*	2225
Nicholson et al Smith 2 SEc NE SE 29-12-14	¶¾	715
W. B. Pine Sheppard 2, C S L SE NW 29-12-14	¶4½	2188
Smith & Wallace Beeler 1 NEc SE SE 21-12-14	¶7	2175
White Eagle Oil Co. Smith 2, NWc NE SW 29-12-14	*	2235
Wooster et al Grayson 1 SWc NE NE NE 19-11-14	*	1485
McIntosh 1 NWc SW NW 20-11-14	¶½	780

Muskogee County—

Company, Well, Location	Initial Production bbls.	Depth
J. W. Hale Mode 1 SEc NE NW 22-14-19	*	835
O. A. Lambert Rich 2 C E L NE SW 8-13-15	¶½	905
J. C. McCormack Washington 7, C S L NW NW 18-14-8	*	1565
J. W. Moore Tecumseh 1, SEc NE NE 6-15-14	*	2200
J. C. Neely Brayson 11 C N L SW NE 13-14-16	10	1448
Skelly Oil Co. Grayson 62, NEc NW SE 34-15-14	25	2105
W. R. Somerville Brown 3 C SW NW 35-15-15	30	1610
Transcontinental Oil Co. Thompson 2 NWc NE 17-15-15	*	2575

Okfuskee County—

Company, Well, Location	Initial Production bbls.	Depth
Barbara Oil Co. M. Barnett 1, NWc SW SE 35-11-11	¶12	2995
Boso & West Camp 1, SWc NE SW 7-11-9	125	3070
J. Burns Johnson 1, SWc SE SW 35-11-11	*	2935
Carter Oil Co. Brooks 1, NEc NW 11-10-9	*	3445
Dresser Oil Co. Grays 1, NEc NW NW 11-11-10	*	3700
Empire Gas & Fuel Co. Foster 1, NEc SE NE 11-10-9	*	3195
Foster Oil Co. Pigeon 2 NWc NE SE 2-10-9	1000	3060
J. B. Foster Pigeon 2 NEc SE 2-10-9	¶37	3080
E. B. George Sullivan 1 NEc SW 2-12-11	*	3355
Henry Oil Co. Barnett 7 C S L SW SW 24-11-12	100	2700
Josey Oil Co. Stubblefield 1 SWc 26-12-11	¶15	2730
Kemp and Jennings Cully 1 NWc SW NW 12-10-9	*	3150
Lyons Pet. Co. Fields 7, C L S½ NE 24-11-11	¶24	2825
Lyons & Indiahoma Barnett 8 C E L SE SW 25-11-11	100	2700
Midwest and Gulf Pigeon 4 NEc SE SE 2-10-9	¶4	2860
O. P. & R. Hawkins 1, SEc SW NE 10-10-11	¶8	2590
Plymouth Oil Co. Brooks 1, NEc NW NE 11-10-9	*	3385
Waite Phillips Foster 1, NWc SW 1-10-9	200	3065
Waite Phillips Foster 2 NWc SW 1-10-9	200	3085
Skelly & Cosden Miller 1 SEc NE NE 2-10-9	¶35	3030
Texolean Oil Co. Wind 1 SWc SE 36-11-9	¶10	3175
Transcontinental Oil Co. Hawkins 2, NEc SE NE 10-10-11	¶6	2549
Turman et al Brooks 3 NWc NE NE 11-10-9	*	965
Turman Oil Co. Robinson 1 SEc NW 10-10-10	*	3285
Wangerine Oil Co. Davis 1 NWc SE SE 9-13-10	*	3510
C. W. West McIntosh 1, SEc 11-13-9	*	3645

Okmulgee County—

Company, Well, Location	Initial Production bbls.	Depth
Acta Oil Co. Lee 1 NWc SE SW 19-13-13	10	1600
Barbara Oil Co. Wolf 1, SWc SE NW 34-13-12	*	2793
Beggs O. & G. Co. Adams 8, C SW NW 10-15-11	¶5	2145
Belmont Oil Co. Sulphy 2, SEc NE SW 8-12-13	*	1400
Black Pet. Co. Holmes 13 SWc SE SW 34-12-12	250	2400
Claypool et al fee 1, SWc NW NW 19-15-12	*	2300
A. W. Cline Fife 1, SEc NE NE 25-15-13	200	1740
Eagle Pitcher Oil Co. Young 5, C N L NE SW 30-12-12	*	2655
Stedham 6, NEc NE NW NE 3-11-12	50	2410
Edwards et al Harney 4 NWc 16-15-11	*	2983
Ethlyn Oil Co. Blard 3, C NW SE 8-12-13	*	1515
Fee Oil Co. Crosby 1, NWc NE 35-15-12	¶1½	1600
Gypsy Oil Co. Barnett 6, NWc SW SW 19-11-12	25	1985

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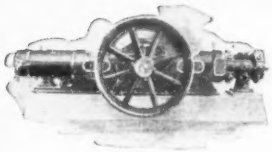

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Company, well, location	Initial Production bbls.	Depth
Indiahoma Ref. Co. fee 3, SEc NE 22-15-11	*	2850
Kewanee Oil Co. Bright 6, SEc NW SW 22-14-14	40	1785
E. J. Lambert Bush 4, C N L NW SW 8-13-15	¶½	780
Lambert Oil Co. Foster 3, C S L SE SE 6-13-15	100	2710
D. C. Lampton Harrison 2, C E L NE SE 18-15-14	*	1880
H. W. Lampton Wolf 2, C SE NE 31-13-15	*	2430
L. C. M. Oil Co. Burnees 4, C NE NE NE 8-13-15	¶¾	785
L. C. M. Oil Co. Bruner 5, SE cor NE NE 8-13-15	¶1¾	770
Lowry et al Nelson 5, NEc SE SE 21-13-14	40	2075
J. D. McFarland Murphy 2, SEc NE SW 2-13-12	¶8	2000
C. B. McCrory Nelson 5 NEc SE SE 21-13-14	10	1580
W. C. Mee Cuff 1, SWc NE 17-13-13	25	1665
Montrose Pet. Co. Thompson 4 C E L SE SW 6-15-11	75	2960
Waite Phillips Adams 1, SW cor SE 31-15-12	*	2735
W. B. Pine Bradford 3, NWc SW SE 19-14-14	10	1335
Bradford 4, NEc SW SE 19-14-14	10	1300
W. B. Pine Cousins 1, SEc NE SE 21-15-11	*	2840
W. B. Pine Calloway 1, NEc NW SE 3-11-12	50	2665
Prairie O. & G. Co. Hawkins 1, SWc SW 4-15-14	*	2150
Producers & Refiners Fewell 3 NWc NE NE 4-14-11	*	2440
Pulaski Oil Co. Thompson 2, SWc NE SE 6-15-11	*	3100
Purina Oil Co. Durant 4 SWc NW NW, Ne 15-12-13	¶4	1740
Savoy Oil Co. Colbert 3, SEc NW 4-16-15	25	1070
Selby Oil Co. Thompson 3 NWc SW SE 6-15-11	75	3025
Sheldon et al McKee 2, SWc SE 8-13-12	¶5	2798
U. S. Cities Oil & Gas Co. Stone 4, C NE SE 22-15-11	35	2125
Wedall Dev. Co. Morton 1, NEc SW NW 8-13-12	25	2175
Wagoner County—		
J. A. Branymer Barryhill 1, NEc NW NE 35-17-15	*	1900
J. L. Haner Cartwright 1, SEc NE NW 7-17-19	*	585
Hardman et al McIntosh 2 C SE SE 4-17-16	*	1300

OKLAHOMA OLD FIELDS

Company, well, location	Initial Production Bbls.	Depth
Creek County—		
Black Pet. Co.'s Bruner 2 SWc SE SW 1-14-10	*	3175
J. R. Bond's Cateter 3, SEc NW SW 9-15-9	25	2550
Bovard et al Carson 18, C W L SW NE 3-17-12	*	1800
Bradstreet Oil Co.'s Bearhead 1, SEc 10-14-8	10	2490
Bradstreet Oil Co. Tobran 1, C NE NE NW 11-15-8	*	2150
Cosden Oil & Gas Co.'s Colaw 3, NEc SW 26-16-9	500	2985
Cosden O & G Co. Colaw 5 NWc SE 26-16-9	600	2965
Eastern Oil Co. Holeman 1, NWc SE NE 29-18-8	*	3585
Flesher Pet. Co. McIntosh, C S L SW NW 1-18-12	25	2295
Galvez Oil Co.'s Chapman 1, NEc NW SE SE 3-15-8	*	3175
Gypsy Oil Co.'s:		
Clanton 1, NWc NE 4-15-9	1000	2933
Bear 2, NEc SW 3-14-8	50	2565
Wadsworth 2, C SE SW SE 15-14-9	*	2190
Warner 2, SWc NW SE NE 24-16-9	*	3010
Hiram C. Wilson Synd. Robertson 1, SEc NE NE 8-15-8	1800	3235
Hiram Oil Co. Cobb 1, SWc NE NW 14-16-8	*	3745
Independent Oil Co. Kimble 5 SWc NE 33-15-10	100	3145
Baker 1 NEc NW 12-14-10	*	2575
Indiahoma Ref. Co. Clinton 9, SEc NE NW SW 22-15-10	25	2630
Indian Oil Co. Berryhill 24 NE cor NW SE SW 9-17-12	¶8	2210
Invader Oil Co. Taylor 1, SEc NW 24-15-8	*	3265
Jackson & Wise Longfellow 4 SEc NW 9-15-10	60	2685
Jomack Oil Co.'s:		
Fields 1, SWc SE SW 10-16-9	*	3010
Williams 3, NEc SE NE 21-16-9	25	2928
Kanavoha Oil Co. Knight 1, NWc SE 16-15-8	*	3400
Kawfield Oil Co. Bristow 4, SEc NE SW 4-15-10	60	2673
Kawfield Oil Co.'s Edwards 1, SWc NE SW 14-16-9	*	3505
Edwards 2, NWc NE SW	200	3000
Kerwin et al Hamilton 1, NEc NW NE 32-16-9	1000	2935
Hugh King Scott 1, NEc SE SW 23-16-8	400	3105
Magnolia Pet. Co. Fish 2, SEc 8-16-8	*	3720
Margay Oil Co. Vaughn 3, SW cor SE SW 33-16-9	525	2910
Scott 3, SWc SE NE NW 33-16-9	*	2995
Scott 5, SWc NE NE NW 33-16-9	¶5	2600
Margay Oil Co.'s Vaughn 5, C S L N½ SE SW	350	2930
McMahon & Porter's Bear 1, NEc SE SE 9-15-8	*	2160
McMann Oil Co. Barnett 3, C E L NE NE 1-19-8	25	2980

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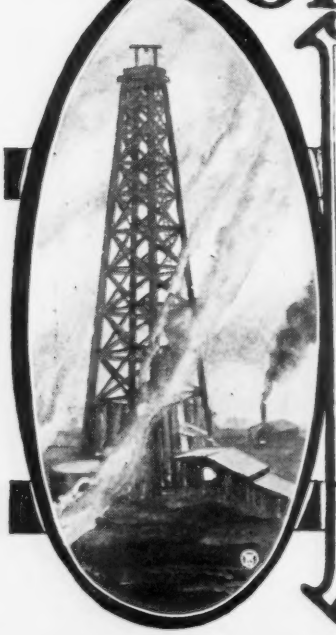

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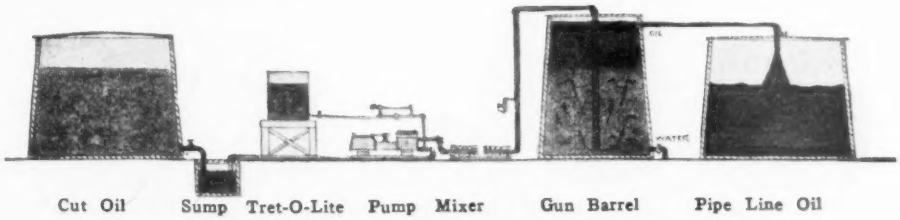

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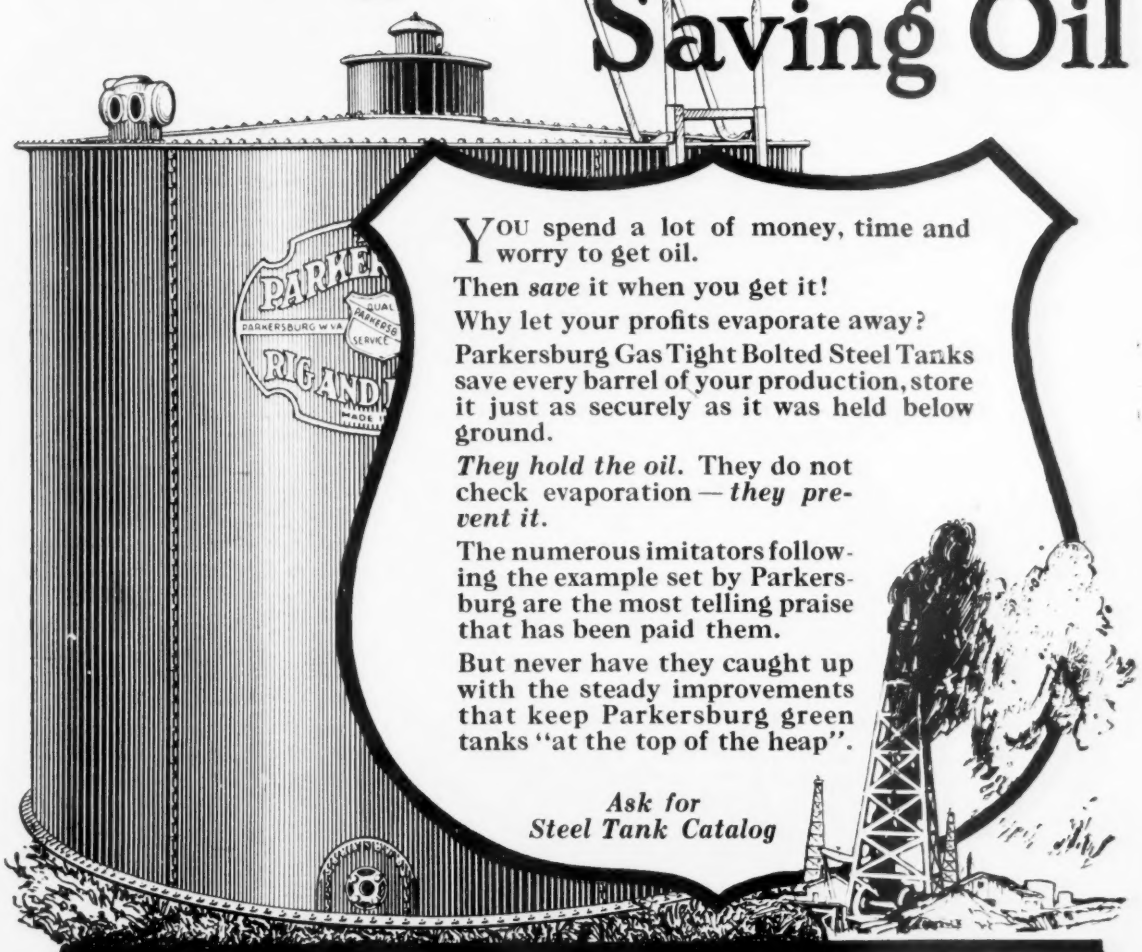
WHITE Oil Corporation

Company, well, location	Initial Production bbls.	Depth
Minot & Minot Grayson 1, SEc NW SE NW 24-16-10	*	885
Myers Oil & Gas Co. Wilson 1, NWc SE NE 36-18-8	*	3730
O. P. & R. Wilson 1, SEc NE 22-16-8	*	3305
O'Rourke et al Williams 2 NEc NW NW 33-16-9	*	3075
Phillips Pet. Co. Cavado 1, SW cor SE 14-16-8	500	3175
Phillips Pet. Co. Fife 4 NWc SW SW 15-14-8	*	3270
Waite Phillips Williams 1, SWc SE 7-16-10	*	2975
Sarty 3, NE SE SW 14-16-9	25	3030
Waite Phillips Halsell 1, NWc SW SE SE 13-16-10	160	2570
Brown 2, C NE NE 24-16-8	¶5	840
Waite Phillips' Vaughn 3, SEc SW SW 33-16-9	650	2928
Mico 2, NWc SW 23-16-9	*	3160
Waite Phillips Colaw 5, NWc SE SW 26-16-9	50	2995
Pulaski & Skelly Fife 7, SEc SW 15-14-8	600	3250
Pure Oil Co.'s Sulphur 4, SEc NW NW 22-14-8	200	3290
Red Bank Oil Co. Benton 1, NWc SE 10-16-8	400	3275
Roland Oil Co. Meyers 3, SEc SW NE SE 3-15-8	*	3785
Meyers 4, NWc NE SE SE 3-15-8	*	3155
Meyers 2, SWc NE SE 3-15-8	*	2150
Meyers 8, NEc SW 3-15-8	*	3135
Srip 1, NWc 14-16-9	10	2980
Sartin et al Mitchell 1, SEc NE SE 16-16-8	*	3225
Skelly Oil Co. Dick 1, NEc SE 34-14-8	50	2485
Skelly Oil Co.'s Harjo 5, C SE NW NW 22-14-9	*	3200
T. B. Slick fee 2, C S L SW SE NW 14-16-9	900	2990
T. B. Slick Harry 2, C SE NW NE 9-15-9	25	2210
Suppes et al Webb 1, SEc NE SW 28-16-12	10	2190
Swanson et al unallotted 2, C E L SE SE 22-15-10	*	3135
Texas Company Williams 1, SEc NW NW SW 14-16-9	900	2975
Big Pool 3, C E L SE SW 13-16-9	250	2790
Texas Co. Robertson 3, NEc NW NE 22-14-8	¶4½	2820
Hawkins 1, NWc NE NW 4-15-9	2150	2920
Harjo 2, SEc 8-17-12	*	2600
Tidal Oil Co. Sango 1 C NW NE SE 16-16-9	225	2985
Tidal Oil Co. Adams 1, NEc SW 35-16-11	10	1825
Transcontinental Oil Co. Looney 2, NEc NW 26-16-9	200	3025
Transcontinental Oil Co.'s Mico 6, SWc 23-16-9	25	2935
Twin States Oil Co.:		
Orcutt 10, NEc SE 22-16-9	125	2995
Orcutt 13, SEc NW SE 22-16-9	100	2975
West et al's Tiger 1, NEc SE NW 12-18-12	¶5	2015
Western Natural Gas Co. Bartleft 3 SWc NW NW 19-16-11	¶12	2170
White Oil Corp. Kelly 1, SEc NE SE 34-16-8	*	3750
White Oil Corp.'s Bear 2, SEc NE SE 2-15-8	*	2980
Wilcox & Oswalt's Warner 1, C NW NE SW 24-16-9	*	2960
Wilcox Oil & Gas Co. Post 2 NEc SW 33-15-10	*	3140
Hamilton 1, NWc NE NE 32-16-9	150	2955
Wolverine Oil Co. Unallotted 4, NWc NE SW 22-15-10	*	3185
J. H. Wright McNack 1 SEc NE SW 39-15-10	30	2695
Garfield County—		
Crews Heirs Oil Co. Crews 8, C SW SW SE 19-22-3w	*	1968
Crews Heirs Oil Co. Crews 4 C NW NW SE 19-22-3w	50	1365
Imo Oil Co. Heim 6, SEc NE NW NW 36-22-4w	125	2177
Preston-Oklahoma Oil & Gas Co. Lempert 1, C SW NW SE 2-22-w	*	2535
Producers & Refiners Annis 1 C NE NE SE 5-26-4e	*	2330
Quadrangle Oil Co. Devore 1 C SW SW NE 34-22-3w	*	2665
Sinclair Oil & Gas Co. Crews 7, SEc NE SW NW 30-22-3w	250	1980
Frickenschmidt 7, C S L SW 25-22-4w	60	2160
Sinclair Oil & Gas Co. Campbell 9, C NW NE NW 30-22-3w	330	2120
Metcher 9, C SE NE NE 36-22-4w	100	1330
Twin States Oil Co. school land 1, NWc 16-24-5w	*	3580
Payne County—		
Aztec Oil Co. Fisher 1, SWc NW NE 27-19-4	75	3840
Cosden O & G Co. Yount 1 NEc 31-18-5	15	4040
Cosden Oil & Gas Co. SWc SE SW 27-19-4	10	3735
Gypsy Oil Co. Mobius 1, NEc NW NW 4-19-5	75	3255
Josey Oil Co. Laughlin 1 SEc 35-19-5	¶7	2720
Magnolia Pet. Co. Miller 5, NE cor SW SW 27-19-4	1000	3290
Main 5, C NW NE NW 34-19-4	400	3815
Chevalier 10, SWc SE SW SE 27-19-4	500	3055
Gaunt 5, NWc SW NW 21-18-5	*	3970
Main 8, SEc NE NW 34-19-4	*	3875
Mulberry Oil Co. Miller 3, SWc NE SW 27-19-4	2500	3770
Shaffer & Marland's School Lands 1, C NE SE 36-18-3	*	3050
White Oil Corp. Ashford 8, SWc SE SW 29-18-5	10	3260
Woods et al's Knight 3, NEc NW NE 34-19-4	25	3868
Tulsa County—		
Allen et al McIntosh 3, C S L NW SE SE 9-19-4	*	1300
Atlas Oil Co.'s Rowe 1, NEc NW 28-16-14	25	2135
Diamond Ref. Co. unallotted 1 NEc SE NW 26-19-12	5	1100
Dominion Oil Co.'s unalotted 1, SWc NE NE 35-19-12	*	1600
Indiahoma Oil Co.'s Cane 1, C NW NE 17-16-14	¶5	1520
McCullough et al's Blackstone et al NEc SW 17-16-14	*	2415
Wilmont et al Island 2 SEc 15-19-10	¶15	2045

SOUTH OKLAHOMA

Company, Well, Location	Initial Production bbls.	Depth
Caddo County—		
Carter Oil Co. McCaughtry 1 SEc NE NW 26-5n-8w	¶15	1320
A. B. Cook Smith 1, C NE SE SE 36-5n-8w	¶5	1390
Dixie Oil Co. Rigney 1, SWc NW 12-5n-9w	125	2420
English Oil Co. McKenna 1, NEc NW NE 24-5-9w	75	2400
Lone Star Gas Co.'s Lackey 3, SEc NW 11-5n-9w	40	2370
Magnolia Pet. Co. Paw-Keene 1, NWc NE NE NE 10-5n-9w	25	2397
Farrell 1 NWc SE 26-5n-8w	¶40	1350
Estes 2, SEc SW NE 10-5n-9w	10	2430
Magnolia Pet. Co. Lair 1 SEc SW SW 22-6n-10w	200	2020
McKay et al 1, unallotted, NEc SW NW 5-8n-11w	*	2510
Carter County—		
Amerada Pet. Corp. Baptiste 9, SWc NE NE SE 20-5s-1e	30	1560
Carter Oil Co. Millen 11, NEc NW SE NE 16-4s-2w	50	2550
Cotton Belt Oil Co. Rexroat 2-D, C NE SW SW 10-4s-2w	35	2180
Cotton Belt Pet. Co.'s Rexroat 8-A, SWc NW NW 15-4s-2w	*	2010
Gilmer Oil Co. Hernstedt 5, C NE NW SE 4-4s-2w	25	2205
Gypsy Oil Co.:		
Tubbie 1, NEc NW NE 35-4s-2w	400	3935
McClure 2, SWc SE SE 28-2s-3w	¶24	2255
C. N. Haskell Cruce 1, C SE SE NW 35-4s-2w	15	3160
Humble Oil & Ref. Co. Gill 7, SWc SE SW SE 26-4s-3w	250	2960
Ketch & Wallace Dillard 9, SW cor SE NW 22-4s-2w	200	2140
Ketch & Wallace Dillard 10 NEc NW SE NW 22-4s-2w	200	2150
Magnolia Pet. Co. Hefner 1 C SE SW NE 27-2s-3w	50	2180
Bennett 2 NEc SE NW 21-2s-2w	100	2550
Hefner 6, C NE SW NE 27-2s-3w	¶18	2300
Woodruff 20, C SE SW SW 15-4s-2w	40	2310
Menich et al Bennett 1-A NEc SE NW 31-2s-2w	175	2525
Page Oil Co. Johnson 4, C NE SE NW 27-2s-3w	¶10	2035
Rockland Oil Co. Dillard 8 SEc SW NW 22-4s-2w	50	2320
Skelly Oil Co.:		
Stecki 4, NEc SW NE SW 15-4s-3w	140	2065
Carney 8, C NW NE SW 15-4s-3w	75	2965
Carney 13-B. NEc SW SE NW 15-4s-3w	50	2405
C. R. Smith fee 4, C SW NW SW 27-2s-3w	60	2230
Sure Oil Co. Gazaway 4 C SW SE NW 16-4s-2w	40	2225
Comanche County—		
Coline Oil Co. Harris 2 C E L SE NE 25-1n-9w	¶4	2210
Magnolia Pet. Co. Harris 6 SEc NE NE 25-1n-9w	*	1930
Garvin County—		
Homa Okla Oil Co.'s Harvey 2 NWc SW NW SW 11-1n-3w	*	1855
Judson Oil Co.'s Newberry 2, NEc NW NW SE 13-1n-3w	300	1640
Magnolia Pet. Co. Orr 6, SWc NW NW NW 16-1n-3w	25	1525

Getting Oil *and* Saving Oil



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They hold the oil. They do not check evaporation — *they prevent it.*

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But never have they caught up with the steady improvements that keep Parkersburg green tanks "at the top of the heap".

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Drumright
Duncan
Henryetta
Wilson
Shidler
Hominy
Okemah
Okmulgee
Pawhuska
Slick
Tonkawa
Barnsdall

Company, well, location	Initial Production bbls.	Depth
Magnolia Pet. Co. Mauldin 2, SWc NE NE SE 16-1n-3w..	50	1550
Magnolia Pet. Co. Jones 5 NWc SE NE SE 19-1n-3w..	*	1875
Mayes & Camp Wyatt 2, SWc NE SW NW 13-1n-3w	450	1690
Nelson et al Newberry 1, NEc NW SE SW 14-1n-3w	10	1555
Sinclair O. & G. Co.'s Rose 1, SEc NE 10-1n-3w	*	2000
T. & P. Coal & Oil Co. Hatfield 2, C N L NE SW 13-1n-3w	800	1520
Texas Company Pierce 1, SWc SE NE 8-1n-3w	*	1700
Texas Co.'s Selby 1-A, SWc NW NW SW 11-1n-3w	*	1575
Tidal Osage Oil Co. Johns 1 NWc NE NW SW 24-2n-3w	*	2645
Jefferson County—		
Addington Syndicate Dobbins 1 NEc SW SW SW 28-3s-6w..	*	2935
Stephens County—		
Ark Bros. Johnson 2, SEc NE SW 18-1s-8w	¶13	2155
Caldwell & Enlow's Enlow 1, NWc NE 31-2s-7w	*	1140
Carter Oil Co. Hardin 4, NEc SW NW 36-1n-8w	15	2005
Carter Oil Co. Morgan 5, NEc SE SW NE 35-1n-8w	*	2215
Carter Oil Co.'s Glass 1, SWc NE SE 33 1s-8w	*	1798
Cosden O & G Co. Dolen 2 C SE NW NW 15-1n-8w	*	2125
Empire Gas & Fuel Co. 5-A, NEc NE NW NE 5-2s-8w..	*	2175
Empire Gas & Fuel Co. Surber 25 SEc SW 33-1s-8w	30	2250
Gypsy Oil Co. Brindenthal 1 NWc SW SE 15-1s-8w	*	2225
Lucky Ridge Oil Co. Nelson 5 SWc SE NE 28-1s-8w	¶12	2185
Magnolia Pet. Co. school land 7, NEc SE SE NE 33-1n-8w	*	3190
Johnson 7, NEc SW SW 10-1s-8w	325	1780
Magnolia Pet. Co.'s Ferris 2, SWc NW SE 23-2s-6w	70	1730
Kargay 12, SWc NE NE SE 34-1s-8w	50	2210
Magnolia Pet. Co. Johnson 1 NWc SE NE 24-1s-9w	*	2120
Robertson et al Cox 4 SEc SW NE 24-1s-9w	¶7½	1790
Roxana Pet. Corp. Millist 1 NEc SE SW 23-2s-6w	70	1725

WILDCATS

Beckham County—		
Barker Oil Co., George 1, C SW SE 15-9n-23w	45	2800
Blaine County—		
Purdy et al Johnson 1, NEc SW SW 34-15-12	*	810
Grady County—		
Cant & Anasmith Mertz 1, NWc 31-6n-6w	*	2510
Murray County—		
Cornhuskers Oil Co. Wolf 1, NWc SW 16-1-3	*	2365
Pontotoc County—		
American O. & R. Co. Merryman 1, SEc NE 17-4-5	¶12	1260
Lawrence Bros. Jones 1, NWc 16-4-4	*	2290

Texas Summary
October, 1922

TEXAS CONDENSED SUMMARY

Field—	Completions	Producers	Failures	Init. Prod.	Monthly Prod.
C. W. Texas	108	71	37	8,425	4,206,945
No. Texas	150	99	51	8,628	2,074,915
Gulf Coast	62	44	18	35,730	3,284,870
S. A. district	28	28	..	3,950	220,485
Totals	348	242	106	56,733	9,787,215

NORTH TEXAS CONDENSED SUMMARY

Burkburnett	13	8	5	261	846,380
Electra	63	39	24	3,590	711,685
Young County	28	22	6	*3,060	323,600
Holliday-Archer County	24	20	4	1,397	103,270
K-M-A Field	5	4	1	155	57,620
Iowa Park	6	3	3	65	21,935
Petrolia	1	1	0	†	10,425
Wildcats	10	2	8	‡100	.....
Totals	150	99	51	8,628	2,074,915

*30,500,000 cubic feet gas.
†12,000,000 cubic feet gas.
‡5,500,000 cubic feet gas.

CENTRAL WEST TEXAS CONDENSED SUMMARY

Mexia-Currie	30	15	15	4,630	2,289,320
Stephens Co.	21	18	3	*1,725	1,068,070
Ranger-Eastland Co.	22	20	2	†1,305	396,610
Desdemona	2	2	..	115	¶315,390
Strawn-Palo Pinto Co.	4	2	2	‡10	44,760
Moran-Shackelford Co.	20	9	11	445	39,565
Brown Co.	2	2	..	125	22,515
Corsicana	..	..	..	....	17,360
Mitchell Co.	1	1	..	50	5,760
Thrall	..	..	..	....	4,300
Coleman Co.	..	..	..	....	3,295
Wildcats	6	2	4	§20	.....
Totals	108	71	37	8,425	4,206,945

*18,000,000 cubic feet gas.
†36,000,000 cubic feet gas.
‡5,000,000 cubic feet gas.
§4,000,000 cubic feet gas.
¶Includes Pioneer district monthly production.

TEXAS GULF COAST CONDENSED SUMMARY

Barbers Hill	1	..	1	.....	54,465
Batson	2	2	..	85	36,520
Blue Ridge	1	1	..	3,500	36,240
Damon Mound	6	5	1	475	101,340
Dayton	1	..	1	.....	2,015
Goose Creek	6	6	..	500	488,840
Hull	16	14	2	22,720	721,060
Humble	3	2	1	525	235,880
Markham	..	..	..	.....	3,100
Orange	7	7	..	4,065	480,160
Pierce Junction	2	..	2	.....	56,345
Nacogdoches	..	..	..	.....	3,100
Saratoga	1	1	..	8	53,630
Sour Lake	3	3	..	182	144,895
Spindle Top	..	..	..	.....	22,280
West Columbia	5	2	3	3,650	845,000
Wildcats	8	1	7	20	.....
Totals	62	44	18	35,730	3,284,870

SAN ANTONIO DISTRICT CONDENSED SUMMARY

Field—	Completions	Producers	Failures	Init. Prod.	Monthly Prod.
Somerset	21	21	..	320	110,050
Mirando	7	7	..	3,630	110,435
Totals	28	28	..	3,950	220,485

SOMERSET

Company, well, location	Initial Production Bbls.	Depth
Empire Oil & Fuel Co. Surrees 4	5	....
Gulf Prod. Co. Gulf Fee 4.....	10	....
Grayburg Oil Co. Ruby Gray 1	5	....
Grayburg Oil Co. Ed Wells 1..	5	....
Ernst 20	5	....
Muennik 9	5	....
Hartung B-8	5	....
Schmidt 17	5	....
G. W. Carruthers 22	5	....
Carruthers 12	5	....
Grayburg Oil Co Hartung 8-A	10	....
Byron 2	10	....
W. Carruthers 24	5	....
W. Carruthers 2	5	....
Johnson Bros. Nestroy 4.....	200	....
McClure et al Eggers 8.....	5	....
Pet. Venture Co. Garnand-Boynton	5	....
Val Verde Oil Co. Long 19...	5	....
Witherspoon Oil Co. Ricks 3..	5	....

MIRANDO

Webb County—		
Carnahan Prod. & Ref. Co.'s Garcia 5	800	....
Dixie Oil Co. Brackenridge 1..	75	....
Mercedes Drilling Synd.'s Garcia 1	80	....
Paulson et al's Pinkston 1....	300	....
Ross et al Killam 2	350	....
Zapata County—		
Kanoka Oil Co. Garcia 3	2000	1518
Mexican Oil Co.'s No. 1.....	25	....

EASTLAND COUNTY

Ardizzone & Braden's W. C. Kincaid 7	130	3240
Barney Carter J. W. Langford 3	45	1885
Eastland Oil Co.'s Joe Burkett 2	35	3345
Humble Oil & Ref. Company's W. L. Miller 1.....	¶8	3210
Junior Oil Co.'s B. W. Webb 3	15	2495
Kokomo Petroleum Co. (Richie & Keudell) Clements 1	40	2945
Manly Drilling Co.'s Hillcrest Addition 1	¶3-150	3365
May & Clayton Drilling Co.'s Higginbotham 1	¶3	3385
McCamey, Sherrin & Dumas Brooks 1	55	2535
McLester & Harris' Hillcrest Addition 1	¶5	3540
Pathfinder Oil Co. Mrs. Ora Moore 1	45	2500
Pathfinder Oil Co.'s Pioneer Townsite Blk. "23"	55	2485
Plateau Oil Co. J. R. Stubblefield 1	45	1365
Porter & Livingston Joe Burkett 1	25	3300
Rainbowend Oil Co. D. J. Armstrong 4	25	2510
Roberts Interests' Roberts 1..	*	3405
Root, Rhodes & Sykes Gibson 2. dd	¶15-500	3590
C. M. Root's L. R. Hough 1..	*	3650

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Chicago	Hartford	Philadelphia	St. Paul

Company, Well, Location	Initial Production bbls.	Depth
Samuels, West & McCauless' G. W. Martin 3	35	3455
W. I. Southern et al's J. B. Robinson 1	¶2	3535
States Oil Corp.'s J. R. Stublefield 1	45	1370
Texas Pacific Coal & Oil Co. C. P. Brannon 2	60	2510

STEPHENS COUNTY

Company, Well, Location	Initial Production bbls.	Depth
Channel Oil Co. Moon 1	*	4210
Hagaman et al's Hagaman 1	¶8-15	3196
Humble Oil & Ref. Co.'s Curry B-1	195	3225
King, Booth & Nesbit Abney 2	45	3265
Lee Oil Co. Walker & Caldwell 2	40	3210
Little et al Humphreys 1	*	3390
Roeser et al Shipley 2	130	3185
Settled Production Co. Keel 2	50	3270
Snowden & McSweeney Jone 2	355	3185
Snowden & McSweeney's Ashburner 3	35	3230
Swensondale Oil Co. P. Swenson 21	50	1815
The Texas Co. Searcy 1	30	3275
Black Bros. 17	¶10	3295
Curry 9	55	3215
Parks A-31	125	3220
Pierce 12	200	3350
Heatley 3	190	3175
J. W. Parks A-32	210	2440
The Texas Co. Mrs. S. E. Wilson 2	95	3455
Texas Pacific Coal & Oil Co. J. H. Bratton 2	5	4275
Wilkinson & Burke's Parks 1	*	1130

DESDEMONA

Company, Well, Location	Initial Production bbls.	Depth
Brainard Pet Co. Freeman 1	5	3055
Kirk & Brewer Westmoreland 1	100	2835

MEXIA

Company, Well, Location	Initial Production bbls.	Depth
Galloway Oil & Ref. Curry 1	*	1795
Humphreys Oil Co. Adamson 7	110	2085
Humphreys Oil Co. Nussbaum 7	110	3085
Humphreys Oil Co. Tatum 2	110	1320
Humphrey Oil Co. Berthelson 7-8	130	3110
Kendricks	110	3085
Hester Ross 3	210	3050
Mexia California Co. Stroud 1	*	3215
Tate et al Favors 1	*	3260
Tennessee-California Hardin 1	*	3215
Tenn-Mexia Oil Co. J. B. Bounds 1	*	3230
Simms Oil Co. Reid 9	760	3045
Worlds Wonder Oil Co. Arbuckel 1	*	2695
Freestone County—		
Root & Knipley Young 1	*	1395
Navarro County—		
Brothers Oil Co. Bounds 4	120	2950
Brothers Oil Co. Bounds 4	100	2950
Cosden Oil & Gas Co. Bounds 1	200	3210
Cosden Oil & Gas Co. Bounds 1	100	3210
C. J. Flanigan et al Swink 1	*	3040
J. R. Hill Stubbs 1	*	2885
J. K. Hughes Dev. Co. McGaw 5	*	2955
Marr and Bell Wright 1	*	1925
O'Conner et al's Bounds 1	*	2965
Sanders & Wheelock Edens 1	*	1175
Seaport Petroleum Co. Vinson 1	*	3000
Snowden-McSweeney Longbothan 3	1500	2960
Trapshooter Dev. Co. R. V. Bounds 3	160	2955
J. H. White et al Fortson Bros. 1	*	1100

ELECTRA

Company, Well, Location	Initial Production bbls.	Depth
Associated Oil Co.'s S. B. Burnett 2	15	445
Baldwin et al's Eads 1-B	*	1755
Bridwell & Heydrick's W. T. Waggoner 17	20	964
Buchanon & Lyons' Mrs. G. Jennings 1	*	1826
Camp Oil & Gas Co.'s L. P. Douglass 2-A	7	1025
Camp Oil & Gas Co.'s L. P. Douglass 1-A	*	2044
Camp Oil & Gas Co.'s H. A. Overall 3	*	2005
Camp Oil & Gas Co.'s H. A. Overall 8	3	350
Cline Oil Co.'s W. T. Waggoner 3-A	*	1940
Cline Oil Co.'s W. T. Waggoner 2-A	*	1920
Clover Oil Co.'s W. T. Waggoner 3	35	1634
Clover Oil Co.'s W. T. Waggoner 4	*	1965
Empire Gas & Fuel Co.'s Burnett-Lloyd 35	20	960
S. B. Burnett 65	15	1920
S. B. Burnett 66	*	2290
S. B. Burnett 67	45	1935
Fred B. Foster & Co.'s Throckmorton 1	*	1830
Green & Dale's Beaver-Electra Ref. Co. 4	200	1933
Green & Dale's Beaver-Electra 3	*	971
Green & Dale's Beaver-Elec. Ref. Co. 4	85	1930
Griswold Oil Co.'s S. B. Burnett 29	200	1957
Griswold Oil Co.'s W. T. Waggoner 2-D	*	1926
Burnett et al 28	10	1670
Gulf Prod. Co.'s J. D. Melton 4	*	1675
Gulf Prod. Co.'s S. B. Burnett 12-C	5	1955
G. Jennings 5-A	10	1543
G. Jennings 6	*	2024
W. T. Waggoner 1-E	*	1939
Harper et al's J. & J. Waggoner 1	*	2005
Harrel et al's Mrs. Jennings 2	75	1482
Hartford Trust's:		
S. B. Burnett 5	5	494
S. B. Burnett 6	15	699
Harvey et al's Rio Bravo Oil Oil Co. fee land 10	200	1943
Hedgwood et al's W. T. Waggoner 2	*	2035
Hochaday & Shaw's W. T. Waggoner 2-C	150	1635
Houston Oil Co.'s W. T. Waggoner 4	20	1614
Humble Oil & Ref. Co.'s W. T. Waggoner 4-B	200	1639
T. F. Hunter's Waggoner Bros. 2	6	1825
Waggoner Bros. 3	*	1830
T. F. Hunter et al's J. & J. Waggoner 2	8	1820
Jefferson Oil Co.'s J. & J. Waggoner 3	35	1511
Kemp et al's J & J Waggoner 1-B	*	1995
Ladd & Hannon's W. T. Waggoner 1-A	*	2000
McDaniel et al's L. P. Douglass 2	200	1949
McKenna & Moore's W. T. Waggoner 2	15	950
McKenna & Moore's W. T. Waggoner 1	*	2051
John O'Neil's Rio Bravo 4	230	1923
J. O'Neil's Waggoner 5	125	1929
Pathfinder Synd.'s Burnett et al 10	*	503
Wm. Peoples et al's A. C. Henson 3	*	1455
Petroleum Prod. Co.'s W. T. Waggoner 12	400	1629
Rio Bravo Oil Co.'s W. T. Waggoner 5-A	175	1954
Scott Petroleum Co.'s Langford 3	6	510
Sooner Oil Assn's T. W. Roberts 5	50	1582
Stanley McGregor's Waggoner Bros 3	*	355
Stanley McGregor's J. & J. Waggoner 2	10	1528
Texhoma Oil & Ref. Co.'s W. T. Waggoner 1-B	150	1629
The Texas Co.'s W. T. Waggoner 219-A	90	1940
Wakefield et al's W. T. Waggoner 2	*	750
Wichita Petroleum Co.'s S. B. Burnett 60	300	1941
Wichita Petroleum Co.'s S. B. Burnett 76	200	1950
Wichita Pet. Co.'s S. B. Burnett 72	225	1933

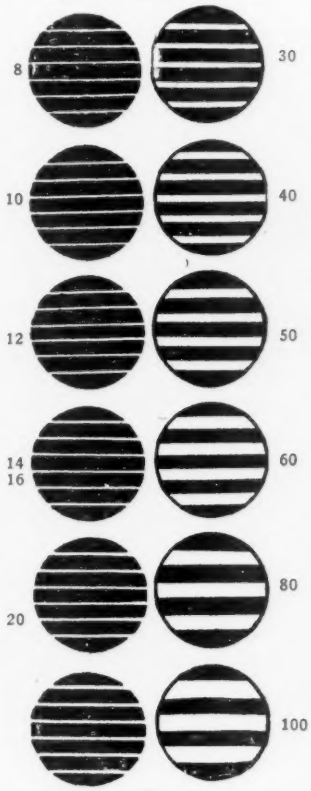
YOUNG COUNTY

Company, Well, Location	Initial Production bbls.	Depth
Associated Oil Synd.'s F. Herron 3	20	2430
C. W. Brooks' S. L. Ribble 1	*	4339
Collett et al's T. C. Greenwade 1	*	4315
Crawford & Harrison's J. Kisinger 1	*	3045
Duquesne Oil Corp.'s R. M. Williams 1	45	2465
Fred B. Foster & Co.'s G. F. Parsons 1	25	3225
Hemphill et al's W. A. Corbett 1	2000 ¶10	4010
Maden & Maden's F. Herron 1	20	3020
Mahlstedt Mook Oil Co.'s J. S. Williams 2-B	200	3035
Mahlstedt Mook Oil Co.'s R. M. Williams 4-A	55	1735
Mann et al's Whittenburg 4	10	1870
D. Miller's F. Herron 1	¶10-50	2400
Nash & Windfohr's R. M. Williams 3	¶5-175	2570
Penn Cities Oil Co.'s Hughes 3-B	100	2415
Prairie Oil & Gas Co.'s W. W. Storm 1	125	3022
Roxana Pet. Corp.'s E. N. McCluskey 1	25 ¶3	4330
B. F. Scott 6	500	3490
Roxana Pet. Corp's Whittenburg 1	750	3765
Roxana Pet. Corp.'s N. Boozer 2	¶2-480	2202
Sinclair Oil & Gas Co.'s J. Kisinger 1	*	4450
The Sun Co.'s Whittenburg 1	600	3820
Tyrell Oil Corp.'s J. S. Williams 2-A	75	3030
River Bed 1	200	2341
Tyrell Oil Corp.'s Ribble 1	100	2820
C. R. Tyrell Oil Corp's J. S. Williams 1-C	†	2760
C. R. Tyrell Oil Corp.'s J. S. Williams 7-A	50	3026

"McEvoy Wireless" Well Strainer

for Oil, Gas and Water Wells

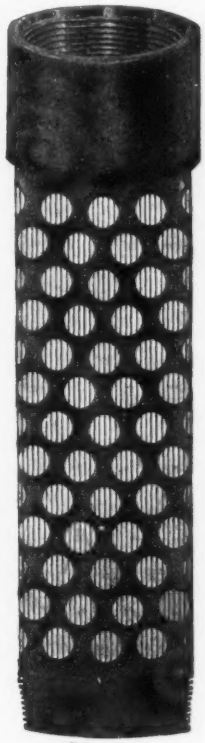
Cuts Showing the Different Meshes of McEvoy Wireless Well Strainers



The White Lines represent the actual width of opening, or Mesh, and are known by numbers as shown, and should be ordered accordingly.

Mesh Numbers equal units of One Thousandth Inch

Showing Completed Joint "McEvoy Wireless" Well Strainer



(Patented)

Showing Section "McEvoy Wireless"

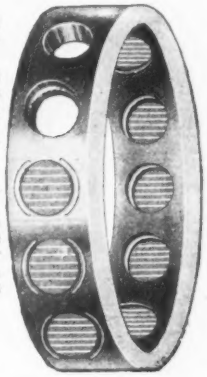
Flush Joint Style for Emergency Work

Section Showing Mechanical Construction

1st—The hole is drilled in the thick pipe.—➤

2nd—The hole is reamed to ⅝" for two-thirds of its depth, leaving that heavy shoulder.➤ SEE THAT SHOULDER?

3rd—The "McEvoyWireless" wrought-brass strainer plug is forced into the reamed hole down to that shoulder by heavy pressure, then riveted firmly in place.



LOOK AT THOSE HEAVY CLINCH MARKS AROUND THE STRAINER PLUGS

"SAFETY FIRST"

McEvoy Wireless is safe under all conditions. It's **Fool Proof!**, as the mechanical construction shows Brass Strainer Plugs are protected by the pipe. You can **Rotate, Spud, Drive or Sidetrack** with it in emergencies, and IT WILL HIT BOTTOM IN PERFECT CONDITION. Just think what that means!

Our FLUSH JOINT style for emergencies, will allow of one-half inch larger pipe used in small or crooked holes, or where pipe is collapsed as there are no couplings to hang it up.

J. H. McEvoy & Company, Houston, Tex.

Pacific Coast Branch: McEvoy Wireless Strainer Company, Los Angeles, California

Company, Well, Location	Initial Production bbls.	Depth
Young County Drlg. Co.'s A. E. Foster 1	*	4000
Young County Drilling Co.'s R. M. Williams 1	155	3050

BURKBURNETT

Company, Well, Location	Initial Production bbls.	Depth
Baldwin Bros' Kennedy 1-C	25	959
Baldwin Bros. Kennedy 2	20	931
Dixon Oil Synd.'s Roller 2	*	1370
Jack Dow et al's Horton	*	1610
Judson Oil Co.'s L. & M. Dodson 10	50	1060
Lewis Oil Corp.'s J. E. Roller 37, dd	25	520
Magnolia Pet. Co.:		
Anderson 12	95	1865
Staley-Beach 39	*	1540
H. Reilly 80	6	619
J. E. Roller 39	*	610
W. M. Priddy's C. Birk 10	*	1825
Scott Pet. Co. Kennedy-Langford 4	20	978
J. I. Staley's Fee 1, (Blk. 33)	20	1860

ARCHER COUNTY

Company, Well, Location	Initial Production bbls.	Depth
M. B. Blair's Morrison 4	20	675
Darr, Taylor & McGregor's E. N. Birdwell 1	6	643
Dilliday & Knight's W. P. Ferguson 1	100	1585
Freeman & Hampton Synd.'s W. P. Ferguson 3	15	1460
F. & H. Synd.'s W. P. Ferguson 3	15	1450
Hockman & Sanders' McCall & Sanderson 1	6	160
Iowa Park Oil Co.'s W. Andrews 1	25	901
Kentucky Oil Assn's W. H. Taylor 5	125	1609
Kentucky Prod. Co.'s W. H. Taylor 5	90	1610
Kentucky Prod. Co.'s W. H. Taylor 6	100	1609
Carl Parker's		
Jackson 3	†	530
Jackson 4	*	765
D. B. Reed's Andrews 1	30	910
Scott & Gose's S. M. Gose 1	200	1577
J. I. Staley's Kemp & Kempner 2	10	571
Mike Sullivan Oil Co.'s S. Wilson 1	*	1800
Sunshine State Oil & Ref. Co.'s W. P. Ferguson 1	40	1439
Sunshine State Oil & Ref. Co.'s W. P. Ferguson 2	40	1460
The Texas Co.'s W. Beck 7	100	1606
The Texas Co.'s W. Beck 8	150	1596
The Texas Co.'s W. Beck 9	125	1603
Texhoma Oil & Ref. Co.'s Lyles 1	*	1925
Texhoma Oil & Ref. Co.'s T. B. Wilson 2	75	1624
White Oil Corp.'s K. & Kempner 1	125	1730

K-M-A AND IOWA PARK

Company, Well, Location	Initial Production bbls.	Depth
A. B. A. H. Synd.'s H. Munger 8	100	1619
Buffalo Texas Oil Co.'s W. Parker 1	*	2170
Burns & Gate's E. R. Grant-Chilson 1	*	805
Holbrook & Woods' B. Parker 1	20	798
Patterson, Steelsmith & Orth's B. Parker 3	20	804
Patterson, Steelsmith & Orth's B. Parker 4	25	798
Swan Petroleum Co's C. A. Peterson 1	*	2120
Texas Chief Oil Co's H. Munger 3	15	1632
Texhoma Oil & Ref. Co.'s Munger 6	15	1232
Waggoner & Green's H. Munger 10-B	*	1665
Dr. Wallace (Nixon Oil Co.)'s Logan 12	25	1495

TEXAS GULF COAST

Company, Well, Location	Initial Production bbls.	Depth
Barbers Hill—		
Mills Bennett Chambers County 2	*	2800
Batson—		
Gulf Prod. Co.'s Bates 17	65	1055
Gulf Prod. Co. Bates 17	20	1100
Blue Ridge—		
Gulf Prod Co.:		
West Schenck 3	3500	3900
Damon Mound—		
Sinclair Oil & Gas Co.'s Jackson 11, workover	100	1730
Jackson 14	*	3490
Sinclair Oil & Gas Co. Masterson Trustee 3	175	1640
Williams 5	100	2955
Sinclair Oil & Gas Co. Masterson 15	50	2762
Sinclair Oil & Gas Co.'s Bryan 27	50	3169
Dayton—		
Sapp et al Peterson 1	*	4200
Goose Creek—		
Crown Oil & Ref. Co.'s Gillette 6	100	1425
Gulf Prod. Co.:		
Isenhour 6	20	4800
H. Smith 3	150	2200
Humble Oil & Ref. Co.'s Gaillard 50	50	1855
Sun Co.'s Smith 6	200	2875
Hull—		
Gulf Prod. Co.'s Morris Phillips 15	120	3200
Hannah 2	2250	1900
Gulf Prod. Co. Scarborough 11	1200	3500
Gulf Prod. Co. Hannah 3	4300	1700
Higgins Oil & Fuel Co.'s Merchant 2	300	3460
Houston Prod. Co.'s Barnsgrover 7	300	3750
Abel 3	800	....
Humble Oil & Ref. Co.'s Abel B-2	1500	900
Humble Oil & Ref. Co. Abel 1-A	150	2040
Humble Oil & Ref. Co. Taylor 2	*	1045
Guedry 15	*	3375
Crosbie 1	800	1035
Abel 2-A	800	940
Republic Prod. Co. Dolbear 10	3500	2575
Yount Lee Oil Co. Merchant 3	3500	3125
Yount Lee Oil Co. Stengler 3	200	3100
Humble—		
Crown Oil & Ref. Co.'s Herman 62	*	1152
The Texas Co. Koehler 24	450	3240
Texas Co.'s Stevenson 26	75	2985
Orange—		
Amerada Pet. Corp. State 1-A wo	155	3395
Brownie-Babbette Oil Co. McLean 8	2275	4080
Gulf Prod. Co. Chesson 2	200	....
Gulf Prod. Co.'s Hager Fee 7	175	4650
Humble Oil & Ref. Co.'s Chesson 8, workover	1000	4100
Sun Co. Minor 1, wo	160	3590
Thrift Oil Co.'s McGuire 2	100	3550
Saratoga—		
Cotton Oil Co.'s Gulf 2	8	1125
Sour Lake—		
The Texas Co.'s Fee 289	150	2200
Thy Oil Co. 5, wo	20	1080
Spindle Top—		
Wilson & Brooch's Heywood 4	12	875
Pierce Junction—		
Humble O. & R. Co. Dooley 5	*	3840
Myers et al's Myers 1	*	3990
West Columbia—		
Crown Oil & Ref. Co.'s Melgard 2-A	150	3529
Humble Oil & Ref. Co. Wilson 1	*	3520
Humble Oil & Ref. Co.'s Japhet 9	*	3015
Hyde Prod. Co. Sun-Leggett 4	*	762
Wichita Pet. Co.'s Smith 2	3500	3510

TEXAS WILDCATS

Company, Well, Location	Initial Production bbls.	Depth
Brazos County—		
Warren Oil Co.'s Mooring 1	*	4395
Brown County—		
Brownwood Prod. & Ref. Co.'s A. J. Williams 5	50	2450
A. J. Williams 6	75	2480
Callahan County—		
Carpenter, Long et al's R. H. Quall 1	*	340
Cooke et al's Joe Neuman 1	*	400
D. H. Moore's Joe Neumann 1	20	363
S. G. Robert's H. D. Taylor 2	¶4	480
Sample & Herbert's E. L. Finley 3	*	610
Smith et al's Joe Neuman 1	*	350
Clay County—		
Lone Star Gas Co.'s Wm. I. Miller 8	¶12	1385
Galveston County—		
Sun Co. Cade 4 (High Island)	20	2435
Grayson County—		
Peters Oil Co. T. Butcher 1	*	4025
Preston Anticline Oil Co. Munson 1	*	3650
Grimes County—		
King & Olsen Stephens 1	*	3495
Navasota Oil Co.'s Vickers 1	*	3200
Harris County—		
Gulf Prod. Co.'s Warren 19	*	1000
Jack County—		
Roxana Pet. Corp.'s Williams 1	100	4625
Madison County—		
Larson & Bloom McIver 2	*	365
Mitchell County—		
Chal. N. Daniels et al's L. C. Lesure 1	50	3097
Montague County—		
The Texas Co. J. E. Lemons 2	¶5½	768
Montgomery County—		
Tamina Prod. Co. McDermott 1	*	1120
Palo Pinto County—		
Hart Oil Corp.'s Mrs. J. B. Hart 5	*	3170
Magnolia Pet. Co.'s Turner-Green 1	10	4010
I. B. McGarr & Son et al's R. S. Dalton 1	¶5	4220
Seaboard O. & G. Co.'s W. L. Costello 1	*	3090
Walker County—		
Walker Maderson Oil Co.'s 1	*	2340
Wilbarger County—		
Bankers Pet. Co. W. T. Waggoner (sec. 21, blk. 5) 1	*	1985
Burton et al's Wharton 1	*	2095
D'Yarmett & Spencer's W. T. Waggoner 1	*	2000
Fort Ring Oil & Gas Co. Waggoner 1	*	2445
Noble Oil & Gas Co. Thompson 1	*	3110
Planet Pet. Co. Waggoner 1	*	2440

NEW EQUIPMENT, CATALOGS, BULLETINS, BOOKS

Casing Tong Receiving Much Favorable Comment

Much favorable comment is being received on the new Wilson Two-Step Spring Latch Casing Tongs, according to statements by W. W. Wilson, vice president of the Wilson & Willard Manufacturing Company, Los Angeles, manufacturers and marketers of the tongs.

The outstanding feature of the new tong is the new Wilson Two-Step Spring Latch. As would be inferred from the name, this latch has two sets of lugs on which the T-latch engages. This enables the accommodation of both the pipe and pipe coupling without bushings or adjustment of any nature. The principle of the latch is the same as that used on the Wilson Spring Latch Elevators and the Wilson Spring Latch Rotary Tongs.

Construction of the Two-Step tong is based on the same principle as the Wilson Special Rotary tong. The tong is composed of four jaws or clamping members which are equally divided, two to a side. It is claimed that this feature keeps the tongs perfectly balanced at all times and makes it impossible to "jack-knife." The jaws are of heavy proportions and are cast of high grade steel. The dies, pins, latches and other parts subjected to strain are made of special alloy steels.

Slush Pump Piston Is Latest Argo Product

W. B. Wigle, practical engineer and experienced driller, has patented a number of specialties for field application, among them the slush pump piston.

There are few parts in the piston, the body, follower, washers and rubber packing sleeve comprising the make up. When the pump is open for inspection, a quarter turn can be given the rubber sleeves, assuring equal wear. To maintain a uniformly tight fit, the follower is removed and sufficient washers taken off so that when the piston again tightens on the rod there will be sufficient expansion to make a perfect pack in the liner.

The Spring Rotary hooks so well known in rotary country are manufactured under a Wigle patent. He also holds a patent on Sucker rod hooks, hemp packers, cement tools, and a circulating casing head.

The Argo Engineering Company of California manufactures and sells the Wigle patents.

"SPECIALIZATION IN OIL COUNTRY WORK"

A new catalog under the above title has recently been issued by the American Tool Works Company of Cincinnati and is being distributed to the trade. The new booklet which is a piece of art contains very interesting data on oil country lathes, planers, shapers and radical drills manufactured by the company.

Illustrations accompanying the descriptive reading are unusually clear and are of such nature as to thoroughly familiarize the reader with the product.

New Guy Wire Slide For Derrick Workers

The Ideal Emergency Guy Wire Slide is a new perfected and thoroughly tested safety device for use on derricks to permit a means of escape from the elevated portions of the derrick in case the derrick man's position becomes suddenly dangerous as is the case at times when fire or gas blow outs are experienced.

The new Wire Slide is a product of the Union Tool Company, Torrance, California, and has met, according to its manufacturers with much approval in the fields.

Ideal Emergency Guy Wire Slide

As is shown by the illustration the slide is built on the principle of a pair of pliers, the upper half grooved to fit a 3/8-inch guy wire and the lower half is provided with a self aligning brake shoe, making it possible for the operator to bring himself to a dead stop with the grip of one hand.

A folder has been issued by the company showing the slide in actual operation and furnishing complete details.

New Steel Tape Gauge Made for Tank Strapper

The Lufkin Rule Company of Saginaw, Michigan, has recently put on the market a new steel tape gauge which is especially designed to meet the tank strappers' needs. The gauge known as the "Atlas" is of steel tape construction and according to its manufacturers is considerably heavier than the regular steel line used. The line is fitted with a plumb bob six and three-quarter inches long with tapering point and weighing 18 ounces, which is claimed to be sufficiently heavy to penetrate the heaviest of oils such as those that accumulate an asphalt deposit, etc.

The metal frame of the gauge is nickel plated and is fitted with a lock handle which folds over the tape, enabling the user to stop and hold at any desired length.

The new tape is described at length in a bulletin just issued by the company which also includes specifications and list prices.

NEW FOLDER ON OIL FIELD CHAINS COMPILED BY CHAIN BELT COMPANY

The Chain Belt Company, Milwaukee, has issued a rather unusual folder, entitled, "One Glance at the Side Bar tells the Whole Story." The bulletin describes the company's Rex Chabelco, all steel chain which is specially adapted to oilfield work. According to the folder the name Chabelco is derived from the company's signature and is a registered trade mark.

The Chain Belt Company is the originator of the notched out side bar idea for oil well chain.

FOLDER ON DE VILBISS METHOD SPRAY-PAINTING

The DeVilbiss Manufacturing Company, Toledo, Ohio, is sending out a new folder illustrating and describing the company's new and improved portable spray-painting equipment.

The folder describes in detail the company's method of painting by spray and illustrates the performance and adaptability of DeVilbiss equipment.

The system has been used successfully in painting tanks in the oilfields and work of similar nature.

New York, N. Y., Oct. 28.—Eight per cent sinking fund bonds of the Invincible Oil Corporation will be retired on November 24 at 110 and accrued interest to December 1. These will be paid off at the Chase National Bank. Treasury stock has been sold to provide funds for retiring the bonds and the remaining balance will be used to finance a program of expansion which the company will undertake.

The OIL WEEKLY will print on this page data on new oilfield equipment, improvements on old equipment, news of new catalogs, bulletins, etc. This department is handled exclusively by the editorial department and has no connection with the advertising department. Data will be carried on anything which the editorial department thinks of interest to our readers, regardless of whether or not the manufacturer is an advertiser in The OIL WEEKLY.—Publisher.

PERSONAL MENTION-MEN YOU KNOW

W. V. Bowles, general production superintendent in the Texas Gulf Coast for the Texas Company, returned to Houston headquarters late last week after spending a few days in the Laredo district.

Doc Padgett, connected with the Transcontinental Petroleum Company in Mexico, has returned to Tampico after several weeks in the States.

C. L. Griffith, geologist for the La Espuela Oil Company, is back in Tampico after a tour of the Isthmus country of Mexico. Most of the trip was negotiated via mule back over land and stern wheeler on the rivers.

J. C. McIntyre, Mexican manager of the U. S.-Mex Oil Company, has returned to Tampico after spending about two months in California. He was accompanied by his wife.

G. K. Bell of the geological department of the Aguila has returned to Tampico after two weeks in Mexico City enjoying city life.

O. B. Franks, treasurer of the Mexican Gulf Oil Company, headquarters at Tampico, is in San Antonio to recover his health.

Tracy Wells, purchasing agent for the Freeport-Texas Oil Company, is in Tampico from his headquarters at Freeport, Texas.

Nathan Saper, scout for the Gulf Production Company in the Stephens County, Texas oil fields with headquarters at Breckenridge, has resumed his work after spending a vacation visiting relatives in Kansas City, Mo.

T. J. Flournoy, sales manager for Wilson Mfg. Co., is in Houston and vicinity visiting the fields where his product is making good.

Independence, Kans., Oct. 28.—C. H. Foose is in charge of the branch store of the Boviard Supply Company at Bristow, which was opened a short time ago. Boviard Supply has maintained a stock at Bristow for several months but only recently opened up the store, which carries a full line of the Company's supplies.

The Boviard Supply Company also maintains stores at Slick, and Sapulpa where a machine shop is located. Tulsa sales offices are in the Kennedy building.

Okmulgee, Okla., Oct. 30.—W. B. Pine, prominent oil operator and business man, is the new president of the Okmulgee Chamber of Commerce. He was elected at the first meeting of the board of directors last week. In addition to his production activities Mr. Pine is president of the Burns Tool Company of Okmulgee, manufacturers of oil well tools and supplies.

T. E. Swigart Heads Bartlesville Station

Bartlesville, Okla., Oct. 28.—T. E. Swigart, formerly connected with the Government experiment station here and more recently of Washington, has succeeded H. H. Hill as the head of the Bartlesville station of the Bureau of Mines. Before coming here Swigart was assistant chief petroleum technologist and stationed in Washington, where he was sent from Bartlesville two years ago.

Hill has been transferred to Denver to assume charge of the Government's leasing work in that section which is not confined to Colorado. He will have supervision over this branch of the department of the interior's work which maintains offices at Casper and Rawlings, Wyoming; Bakersfield, Calif; Winnett, Montana, and Shreveport, Louisiana.

North Texas Oil Men Off for Big Hunt

Wichita Falls, Texas, Oct. 31.—The annual pilgrimage of a group of North Texas oil operators to their jointly owned hunting preserve located about 20 miles from Kerrville, Kerr County, Texas is to take place this week for an outing of about two weeks or more. This preserve consists of approximately 9,000 acres of land inhabited by nearly every species of wild animal life known to exist in West Texas, and is entirely surrounded by a deer proof fence. The individuals that will make up the hunting party were reported to be all "loaded for bear" early this week, with a few seriously wondering what they will do for "snake bite" remedies.

Among those that will take their guns in hand and go in search of wild game are: R. O. Harvey, Roy B. Jones, Walter B. Pyron, Walter Cline, G. Clint Wood, Bill Daniels, Bert J. Shaw, Martin Rowe, Bill McGregor, Mat Chenault, Press Lee, Bill Norton, Orville Bullington and Jim Gardner.

New York, Oct. 31.—Victor C. Svimonoff, petroleum and mining engineer, formerly manager of Molot Engineering Company, Baku, Russia, is leaving this country after an extensive tour of the old fields of Oklahoma, California, Louisiana and Texas, commenced in June, 1921, and just recently completed. His future address will be Victor C. Svimonoff, Tiflis, Georgia, Russia. He requests oil well supply and machinery manufacturing concerns, as well as of other mechanical establishments seeking markets in Russia, to send him catalogs, price lists and other literature.

W. E. Edwards of the Warren City Tank Company of Warren, Ohio, spent several days of last week at the Tulsa offices of his concern.

H. N. Cole, vice president of the Pure Oil Company in charge of Mid-Continent activities of his company, has returned to his headquarters at Tulsa, following a visit to Columbus, Ohio, where a meeting of directors of the company was held.

A. P. Brown, sales manager of the Hughes Tool Company, returned the latter part of last week from a visit to Arkansas. A. P. says that when the line into the new Smackover extension is completed some of the wells which are now being shut in or partially shut in for storage, will likely run around 10,000 to 12,000 barrels a day.

H. J. Nichols, research chemist for the International Petroleum Company, with headquarters at Tampico, Mexico, was in Houston, Texas, last week. Mr. Nichols has been looking over the Petroleum Rectifying Company's process for treating oil with the view of using the method in Mexican fields.

J. C. Wheeler, district sales manager of the Shell Company at Fresno, has been sent to Los Angeles to occupy a similar position, made vacant by the retirement of H. S. Botsford.

Harry H. Johnson, scout for the Gulf Production Company in the Pioneer field with headquarters at Cisco, visited the North Texas district offices of the company late last week.

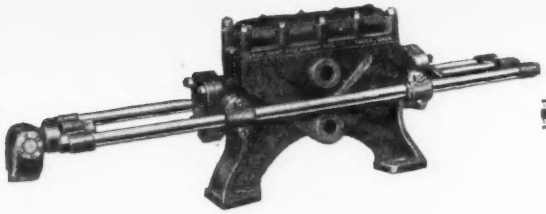
Charlie Lane of casing pulling fame is back in Houston after a short sojourn at Smackover, Arkansas, and he seems to think that Smackover is now "some" field and gives indications of growing.

L. D. Snow, connected with the engineering department of the Mexican Gulf Oil Company in Mexico, headquarters in Tampico, was in Houston this week en route home after his vacation spent in the States.

M. L. Yount, general manager of the Rex Supply Company, Sour Lake, Hull, and Orange, Texas, was in Houston this week visiting at the Hughes Tool Company offices.

R. T. Musser, representative of the General American Tank Car Corporation with headquarters at Dallas, was a business visitor in Wichita Falls last week.

A. S. Jones, president of the Jones Oil Well Reamer Company, left his Independence, Kansas, office Thursday of last week for New York where he goes on business connected with the company.



Where "Push-and-Pull" Power is Available

Where "push-and-pull" or crank power can be utilized, the Jerker type of Gaso Piston Power Pump offers a happy solution to the pumping problem.

It is made in various sizes, each designed to withstand the high pressure of main pipe lines and at the same time to operate perfectly in low-pressure work.

Like other GASO pumps, the Jerker Pattern is extremely simple in design, built with hard use in mind and of proved success. It is one of a complete series designed for oil field use and described in an interesting 64-page catalog that will be sent to any oil man on request. Address

GASO PUMP & BURNER MFG. CO., Tulsa, Okla.

GASO PUMPS

for oil field uses

Letters of a Coastal Bollweevil to His Sweetheart

Los Angeles, Calif.,
Oct. 27, 1922.

Paul, the Bollweevil,
Houston, Texas.

Dear Paul:

Your letters explaining the methods of a real mud-smelling geologist have been doing a lot to straighten out some of the boys who still believe they can find oil with a wiggle stick. But out here in California you are not quite so well known, maybe, and there are still those who think the mud smellers are not in it, compared with the witch-stickers.

Here is a story from a paper here called The California Oil World, containing a letter from a man named Spencer. Thought you might be interested in reading this man's letter, and maybe you'd like to write him and kinder give him a little helping advice, since you are real mud smelling and water-tasting geolog.

Very truly yours,
Berry Vent.

This is the story:

"From Long Beach one J. A. Spencer, who says he is 'an oil locator,' writes in the California Oil World to say that there is no need to drill any dry holes and that any one who drills one should be 'put in jail.' Here is the letter in full, exactly as written without a change, and with simply the comment that under such conditions either no wildcat wells would be drilled at all or new jails built to accomodate the offenders, but then Mr. Spencer says he can cure all this. Listen to what he says:

10-7-22

Long Beach, Calif., 31 Linden Ave.
California Oil World.

Gentlemen, in your issue of the 5th inst., is an article on overdrilling, about early exhaustion, no fear of that for the next twenty-five years, why Signal Hill is only as a grain of Sand on the Sea Shore, to the rest of California, if you were an Oil Locator you would know why I base that Statement. I can demonstrate that this district is at least 3 miles wide and extends for miles legthwise of Course it is not a pool, or Mother pool as some Munchesen Geologists call it, Oil runs in regular Oil Sand Strata, as well defined to a real Oil Locator, as anything could be, they are as easily located, and the edges of the Oil Sand Strata, as the streets of a City is, its only those, to use an irish phrase, that drill by Main Strength that fail to comprehend that fact, that Makes Oil a Mystery. geologists are as bad as any pick and shovel man for locating dry holes, in My Safe deposit box I have rough plots of Oil land that could easily be extended to a Million acres, of real Oil lands, and it ought to be made a state law that any one drilling a dry hole, be put in Jail, no need of dry hole, its stupidity to drill one, I can locat Oil, define the edges of an Oil Sand Strata, going its exact width follow it up for miles do it unerringly Night or day, and do it correctly everytime, Sincerely Yours. Card Enclosed. J. A. Spencer."

Mr. Berry Vent,
Los Angelys, Calif.

dere sir:

yore letter enclosing me the opinion of that theer oil locatr was waitin for me in denvr and i hasten to take pensul in hand and ansr. i wood of answered it earlier but i and slim gotten throwd off the trane just befoar we gotten to denvr. on act. of slim bein cawt takin a drink in a smokr with some other geologists.

well, mr. vent, aftr i hav read that their lettr whitch was publisht in a californy papr, i thowt to myself, if they was many gys like that bird spencr running around, we geologists mite awl lose hr. jobs in no time. then 2, he is a menants to the geologsists perfershun becaus i notus he offrs to work at nite as well as day. well, if a reel geologist cant make enuf mony workin in the day, i ast you, mr vent, is he sutch a reel geologist that he should have to work at nite?

now as i undrstand it, any fellr can git one of these hear wiggl sticks and go out and pick out plases to drill, but in the name of the amer. pet. geo. asn. whitch i am hear in denvr to attend, how, mr vent, air we goin to keep the holly polly from gittin into the perfeshun? I asts you.

now a mud smellin or a watr smellin geologists like i, why, it is scientz with us and we haft to study quite a bit to be abl to give these hear opinuns without being rong and then, and i will admit, MR. vent, that some times sum of us best geologists go rong.

but if mr spencr wood put a gy in jale ever time he didnot git oil, i asts you mister vent, how wood they get the muny to bild new jales, to hold them, becaws it is a well known fact mr vent, that the oil bizness pays that mutch taxes that if they awl stopt drilllin, they wood not be no cash to lubricate the cuntry with, so to speek.

at that, tho, that man spencer used some choice words in his report, and i beleave that he has got the makins of a reel geologist if he will start smellin and stop wigglin.

Yors,
Paul.

ps. You faled to inclos a check and i enclos a bill for $1.98, bein i written this at nite.

Paul.

For All Storage Requirements

Maloney Tanks are adaptable for crude, gasoline or water storage and meet every condition—whether for industrial, refining or field use. Tight deck construction.

Accurate, durable and dependable, Maloney Tanks prevent losses from evaporation and offer full value to purchasers. Ask those who use them.

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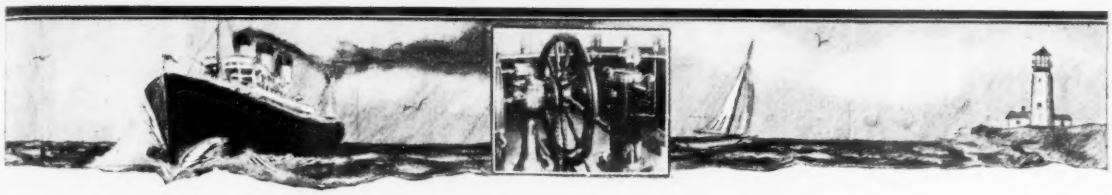
Tulsa, U. S. A.

SOUNDS DIFFERENT

He—"But, my dear young lady, don't you ever wash?"

She—"Certainly not! Only scrape and rub." (—and there was no one to tell the dear old thing at the next table that they were merely two artists discussing technique.)—London Opinion.



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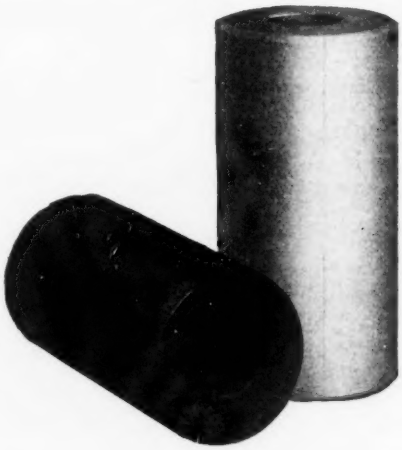


7000 Pounds in 7 Days

During one week recently we made and shipped 7000 pounds of Goodrich Red Swab Rubbers, most of them going to the Mexia, Texas field.

Why this decided preference for Goodrich swabs?

Because Mexia operators know that Goodrich swabs—

—are longest lived, the most dependable.

—mean fewer interruptions, more barrels of oil per day.

For bigger production use Goodrich Red Swabs.

"Best in the Long Run"

THE B. F. GOODRICH RUBBER COMPANY
Akron, Ohio

GOODRICH
Swab Rubbers

SQUEAKS from the BULL WHEEL

We've missed our guess on crude oil prices so many times in the past, so when we happen to get on the right side, we feel like celebrating. So that's why we're going down to the San Jacinto Inn some time next week and have a dinner off of Louis Rothermel of the Deepwater Refineries. Louis thought that the price of Gulf Coast crude would drop by October 23. We thought different. Louis said he would back his judgment with a "dinner for two;" we doubled his bet, and now the wife will get another good feed.

TIMELY TOPIC

"Hello, Bill, how'r making it these days?"

"Ain't making any; never did have any luck so I've quit trying."

IN THE MINISTRY

Mrs. Hen was in tears. One of her little ones had been sacrificed to make a repast for a visiting preacher. "Cheer up, Madam, said the rooster, comfortingly, "you should rejoice that your son has entered the ministry. He was poorly qualified for a lay member anyhow."—Ex.

"D'ye ken—hic—whaur Sandy McTavish—hic—lives?"

"But you're Sandy McTavish."

"I'm not askin' ye—hic—if ye ken—hic—Sandy McTavish—hic—I'm askin' ye if ye ken—hic—whaur he lives."—London Mail.

Dale Rogers of Rogers-Gano Advertising Agency, Houston, who writes the ads for a number of the leading oilfield supply companies in the country, read the Squeaks of the Bull Wheel last week and decided to profit thereby.

Last Friday Dale called us up on the phone from the Baptist Sanitarium in Houston.

"I have another son—it's a boy," he yelled at us, and when we remembered that he now has three we almost told him that we'd cancel the bet we won from him on the price of crude oil last week. But not quite.

Yep, we made two bets, and if we can win that one about Toteco we'll get a new hat and enough of the wherewithal to pay Grady Triplett for the one he stuck us for some time since. These oil writers are a gambin' gang.

Sign on a beggar: I am blind and the father of eight children by a horrible accident.

C. B. McCormick, chief scout of the Roxana Petroleum Corporation at Tulsa, tells this one on a lease broker of the hotel lobby variety.

A man for many months pestered with visits from the broker, found the chap laboring one day as a roughneck in the Burbank field.

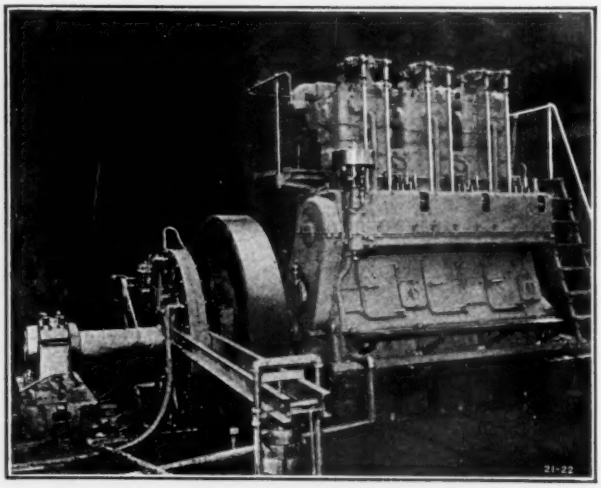
"What's the matter, not selling leases any more?" queried the man, glad to know he was free of one more broker.

"Naw," came the droll reply. "Somebody stole my map."

A. V. Borque, at present secretary of Association of Natural Gasoline Manufacturers and erstwhile purveyor of palaver of the oil industry via the printed page, is now occupying the spotlight in a new role, publicity expert for the Tulsa Chess and Checker Club.

Just now A. V. is threatening the Oil Capitol of the World with a chess tournament, to determine the championship of the Sooner State.

DE LA VERGNE OIL ENGINES



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De La Vergne Engine Co., Agents
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Gardner Governor Co.
Ingersoll-Rand Co.
Sullivan Machinery Co.

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Vinson, Elkins & Wood

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Kaw Boiler Works Co.

Balls and Seats
The Charles N. Hough Mfg Co.

Banks
Exchange Banks of Tulsa
First National Bank of Tulsa

Belting
Atlas Supply Co.
Bridgeport Machine Co.
Frick-Reid Supply Co.
Lucey Mfg. Corp.
Norris Bros.
Oil Well Supply Co
The National Supply Cos.

Boilers
Atlas Supply Co.
Bridgeport Machine Co.
The Brownell Co.
Frick-Reid Supply Co.
Kaw Boiler Works Co.
The National Supply Cos.
Oil Well Supply Co.
Oklahoma Tool & Sup. Co.
Texas Supply Co.
Titusville Iron Works Co.
Tulsa Boiler & Sheet Iron Wks.
United Iron Works, Inc.
Youngstown Boiler & Tank Co.
See Oil Well Supplies & Tanks

Bolt Machines
Williams Tool Corporation

Burners
Gaso Pump & Burner Mfg. Co.
Norris Bros.

Bull Wheels
International Derrick & Equipment Co.

Casing Shoes
Bridgeport Machine Co.
Gulf Coast Machine & Sup. Co.
The National Supply Cos.
Pelican Well Tool & Supply Co.

Compressors
Atlas Supply Co.
Clark Bros. Co.
Gardner Governor Co.
F. W. Heitmann Co.
Hope Engineering Co.
Ingersoll-Rand Co.
Sullivan Machinery Co.
United Iron Works, Inc.

Cordage
The National Supply Cos.

Couplings
Harrisburg Pipe & Pipe Bending Co.

Crown Blocks
American Well & Pros. Co.
Boykin Machinery & Supply Co.
Gulf Coast Machine & Sup. Co.
International Derrick & Equipment Co.
Lucey Manufacturing Corp.
Lufkin Foundry & Machine Co.
Oil Well Supply Co.
Parkersburg Rig & Reel Co.

Dehydrating Processes
W. S. Barnickel & Co.
De Laval Separator Co.
Petroleum Rectifying Co.

Derricks and Rigs
International Derrick & Equipment Co.
Lee C. Moore & Co.
Parkersburg Rig & Reel Co.
Peden Iron & Steel Co.
Robertson-MacDonald Lbr. Co.
Superior Tube Co.

Diamond Core Drills
Sullivan Machinery Co.

Ditchers
Buckeye Traction Ditcher Co.

Draw Works
American Well & Pros. Co.
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Lufkin Foundry & Machine Co.

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Frick-Reid Supply Co.
F. W. Heitmann Co.
The National Supply Cos.
Peden Iron & Steel Co.
Williamsport Wire Rope Dist. Co.

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Parkersburg Rig & Reel Co.
Robertson-MacDonald Lbr. Co.

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Reading Iron Co.
Standard Seamless Tube Co.
Texas Supply Co.

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Bridgeport Machine Co.
Union Tool Co.

Drive Pipe
Reading Iron Co.

Electrical Equipment
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Southwest Gen. Elec. Co.
Westinghouse Elec. & Mfg. Co.

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Dunn Manufacturing Co.
Gulf Coast Machine & Sup. Co.
Norris Bros.
Wilson & Willard Mfg. Co.

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F. W. Freeborn Eng. Co.
James Glenn
A. S. Henley
Geo. C. Matson
Lee C. Moore & Co.

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Engines, Gas
Atlas Supply Co.
Foos Gas Engine Co.
Western Machinery Co.

Engines, Oil
Atlas Supply Co.
Western Machinery Co.

Engines, Pumping
Western Machinery Co.

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American Well & Pros. Co.
Atlas Supply Co.
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Bridgeport Machine Co.
The Brownell Co.
Clark Bros. Co.
De La Vergne Machine Co.
Foos Gas Engine Co.
Frick-Reid Supply Co.
Hope Engineering Co.
Ingersoll-Rand Co.
Lucey Manufacturing Corp.
Lufkin Foundry & Machine Co.
The National Supply Cos.
National Transit Pump & Machine Co.
Oil Well Supply Co.
Peden Iron & Steel Co.
Southern Engine & Pump Co.
Titusville Iron Works Co.

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Foamite-Childs Corporation

Fish Tail Bits
American Well & Pros. Co.
Gulf Coast Machine & Sup. Co.
Pelican Well Tool & Sup. Co.
W. K. M. Company

Floor Circle Brace
Dunn Manufacturing Co.

Fuel Oil
Empire Refineries
Gulf Refining Company
Sinclair Refining Company
White Oil Corporation

Gasoline Extraction Compressors
Bessemer Gas Engine Co.
Clark Bros. Co.
Gardner Governor Co.
Ingersoll-Rand Co.
Kaw Boiler Works Co.
Sullivan Machinery Co.

Gasoline and Oil Storage Tanks
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Kansas Cty Struct. Steel Co.
Kaw Boiler Works Co.
Parkersburg Rig & Reel Co.

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Trumble Gas Trap Co.

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Dorsey Hager
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Reading Iron Co.

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Norris Bros.

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Fort Worth Laboratories

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Lucey Manufacturing Corp.
Westinghouse Elec. & Mfg. Co.

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Reading Iron Co.

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Robertson McDonald Lbr. Co.

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James Glen
Rock Map Co.

Meters
The Foxboro Co., Inc.

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Southwest General Electric Co.

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The Petroleum Safety Appliance Co.

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Boykin Machinery & Sup. Co.
Bridgeport Machine Co.
Frick-Reid Supply Co.
Gulf Coast Mach. & Sup. Co.
Gardner Governor Co.
B. F. Goodrich Rubber Co.
Kansas City Struct. Steel Co.
The Kelly & Jones Co.
Lucey Manufacturing Corp.
Lee C. Moore & Co.
The National Supply Cos.
Norris Bros.
Oil Well Supply Co.
Oklahoma Tool & Supply Co.
Parkersburg Rig & Reel Co.
Peden Iron & Steel Co.
Pelican Well Tool & Sup. Co.
Southern Brass Mfg. Co.
Texas Supply Co.
United Iron Works., Inc.
Union Tool Co.
Western Supply Company

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Kosmos Petroleum Co.

Oil Producers
Standard Oil Co. of N. J.

Packers
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Layne & Bowler
Pelican Well Tool & Sup. Co.

Packing
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Lucey Manufacturing Corp.
The National Supply Cos.
Oil Well Supply Co.
Peden Iron & Steel Co.
Pelican Well Tool & Sup. Co.

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Peden Iron & Steel Co.

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Jesse R. Stone

Pipe Grips
Norris Bros.

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Frick-Reid Supply Co.
F. W. Heitmann Co.
Harrisburg Pipe & Pipe Bending Co.
Interstate Pipe Co.
Lucey Manufacturing Co.
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Oil Well Supply Co.
Peden Iron & Steel Co.
Reading Iron Co.
Standard Seamless Tube Co.
Texas Supply Co.
Williamsport Wire Rope Co.

Pipe Machines
Williams Tool Corporation

Pipe Screwing Machines
Buckeye Traction Ditcher Co.

Pipe Threading Machines
Williams Tool Corporation

Pipe Threading
Williams Tool Corporation

Pipe Tongs
W. K. M. Company

Pipe Vises
J. H. Williams & Co.

Pipe Wrenches
Dunn Manufacturing Co.
The Guiberson Corporation
J. H. Williams & Co.

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Portable Compressors
Gardner Governor Co.
Ingersoll-Rand Co.
Sullivan Machinery Co.

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Parkersburg Rig & Reel Co.
The National Supply Cos.

Pulleys
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Atlas Supply Co.
Axelson Machine Co.
Gardner Governor Co.
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The Goulds Mfg. Co.
Ingersoll-Rand Co.
Lucey Manufacturing Corp.
Norris Bros.
National Transit Pump & Machine Co.
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Pumping Powers
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Gulf Refining Co.
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Union Petroleum Co.
Warner Petroleum Co.
White Oil Corporation

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Frick-Reid Supply Co.
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Petroleum Iron Works Co.
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Titusville Iron Works
Tulsa Boiler & Sheet Iron Wks.
United Iron Works, Inc.
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The National Supply Cos.
Oil Well Supply Co.
Parkersburg Rig & Reel Co.

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Hughes Tool Co.

Rotary Fish Tail Bits
Pelican Well Tool & Sup. Co.

Rotary Slips
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Pennsylvania Tank Car Co.
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The Petroleum Iron Works Co.
Phoenix Iron Works Co.

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Kansas City Struct. Steel Co.
Kaw Boiler Works Co.
Maloney Tank Co.
Petroleum Iron Works
Phoenix Iron Works
Pittsburgh-Des Moines Steel Company
Parkersburg Rig & Reel Co.
Tulsa Boiler & Sheet Iron Wks.
United Iron Works Co.
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Youngstown Boiler & Tank Co.

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Hughes Tool Co.
The National Supply Cos.
Pelican Well Tool & Sup. Co.
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Hughes Tool Co.
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The National Supply Cos.
Oil Well Supply Co.
Peden Iron & Steel Co.
Pelican Well Tool & Sup. Co.
Sullivan Machinery Co.

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Boykin Machinery & Sup. Co.
Gulf Coast Machine & Sup. Co.
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Guiberson Corporation

Tubing
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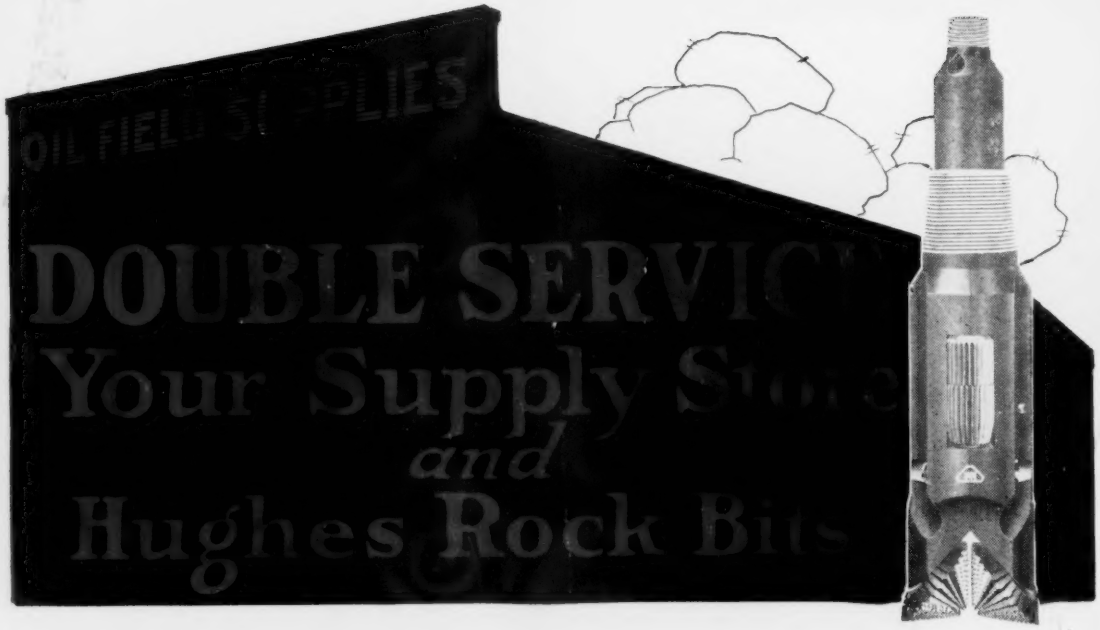

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